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PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	SEP 01	New pricing for the Save Answers for SciFinder Wizard within STN Express with Discover!
NEWS	4	OCT 28	KOREAPAT now available on STN
NEWS	5	NOV 30	PHAR reloaded with additional data
NEWS	6	DEC 01	LISA now available on STN
NEWS	7	DEC 09	12 databases to be removed from STN on December 31, 2004
NEWS	8	DEC 15	MEDLINE update schedule for December 2004
NEWS	9	DEC 17	ELCOM reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS	10	DEC 17	COMPUAB reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS	11	DEC 17	SOLIDSTATE reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS	12	DEC 17	CERAB reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS	13	DEC 17	THREE NEW FIELDS ADDED TO IFIPAT/IFIUDB/IFICDB
NEWS	14	DEC 30	EPFULL: New patent full text database to be available on STN
NEWS	15	DEC 30	CAPLUS - PATENT COVERAGE EXPANDED
NEWS	16	JAN 03	No connect-hour charges in EPFULL during January and February 2005
NEWS	17	JAN 11	CA/CAPLUS - Expanded patent coverage to include Russia (Federal Institute of Industrial Property)

NEWS EXPRESS	JANUARY 10 CURRENT WINDOWS VERSION IS V7.01a, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 10 JANUARY 2005
NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 12:12:27 ON 18 JAN 2005

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 12:12:35 ON 18 JAN 2005
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PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 16 JAN 2005 HIGHEST RN 814917-78-7
DICTIONARY FILE UPDATES: 16 JAN 2005 HIGHEST RN 814917-78-7

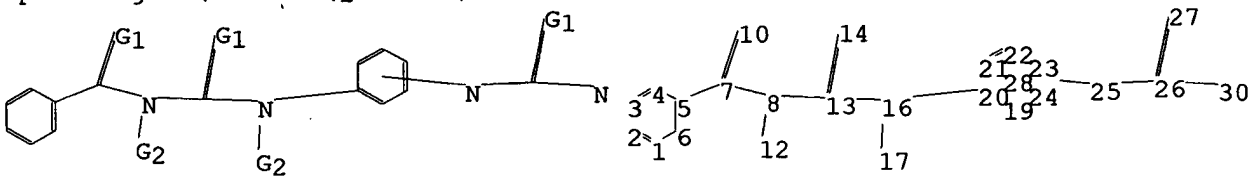
TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=>
Uploading C:\STNEXP4\QUERIES\10616959a.str



chain nodes :
7 8 10 12 13 14 16 17 25 26 27 30
ring nodes :
1 2 3 4 5 6 19 20 21 22 23 24
chain bonds :
5-7 7-10 7-8 8-12 8-13 13-14 13-16 16-17 16-20 25-26 26-27 26-30
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 19-20 19-24 20-21 21-22 22-23 23-24
exact/norm bonds :
7-10 7-8 8-12 8-13 13-14 13-16 16-17 16-20 25-26 26-27 26-30
exact bonds :
5-7

normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 19-20 19-24 20-21 21-22 22-23 23-24
isolated ring systems :
containing 1 : 19 :

G1:O,S

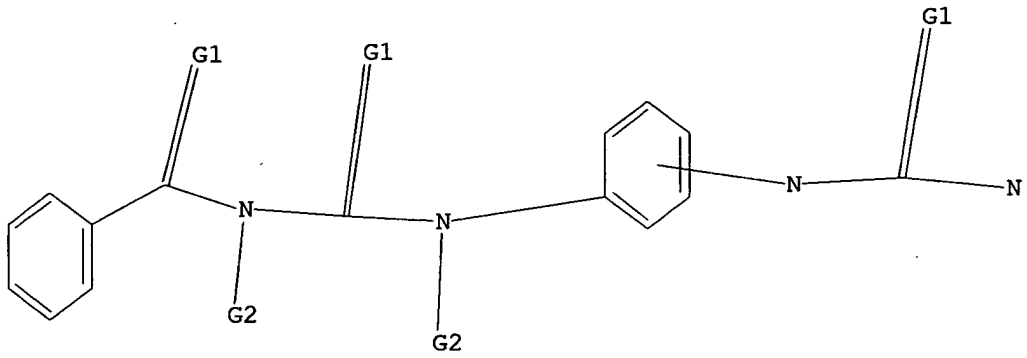
G2:H,Ak

G3:O,N

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 10:CLASS
12:CLASS 13:CLASS 14:CLASS 16:CLASS 17:CLASS 19:Atom 20:Atom 21:Atom
22:Atom 23:Atom 24:Atom 25:CLASS 26:CLASS 27:CLASS 28:CLASS 30:CLASS

L1 STRUCTURE UPLOADED

=> dis l1
L1 HAS NO ANSWERS
L1 STR



G1 O,S
G2 H,Ak
G3 O,N

Structure attributes must be viewed using STN Express query preparation.

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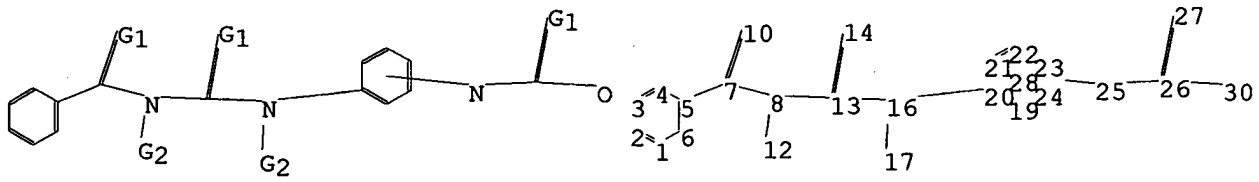
Uploading C:\STNEXP4\QUERIES\10616959b.str



chain nodes :
7 8 10 12 13 14 16 17 25 26 27 30
ring nodes :
1 2 3 4 5 6 19 20 21 22 23 24
chain bonds :
5-7 7-10 7-8 8-12 8-13 13-14 13-16 16-17 16-20 25-26 26-27 26-30
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 19-20 19-24 20-21 21-22 22-23 23-24
exact/norm bonds :
7-10 7-8 8-12 8-13 13-14 13-16 16-17 16-20 25-26 26-27 26-30
exact bonds :
5-7
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 19-20 19-24 20-21 21-22 22-23 23-24
isolated ring systems :
containing 1 : 19 :

G1:O,S

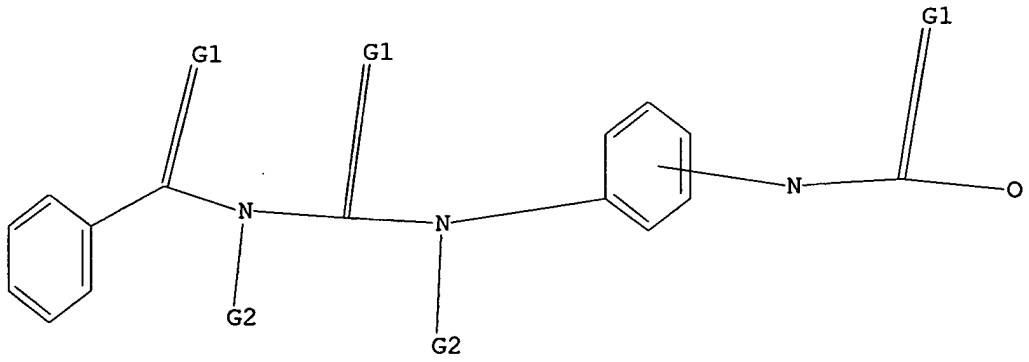
G2:H,Ak

G3:O,N

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 10:CLASS
12:CLASS 13:CLASS 14:CLASS 16:CLASS 17:CLASS 19:Atom 20:Atom 21:Atom
22:Atom 23:Atom 24:Atom 25:CLASS 26:CLASS 27:CLASS 28:CLASS 30:CLASS

L2 STRUCTURE UPLOADED

=> dis l2
L2 HAS NO ANSWERS
L2 STR



G1 O,S

G2 H,Ak

G3 O,N

Structure attributes must be viewed using STN Express query preparation.

```
=> s l1 sam
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SAMPLE SCREEN SEARCH COMPLETED -    100 TO ITERATE

100.0% PROCESSED     100 ITERATIONS                          19 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:         1401 TO     2599
PROJECTED ANSWERS:             119 TO      641

L3           19 SEA SSS SAM L1

=> s l1 full
FULL SEARCH INITIATED 12:14:02 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   1871 TO ITERATE

100.0% PROCESSED    1871 ITERATIONS                         344 ANSWERS
SEARCH TIME: 00.00.01

L4           344 SEA SSS FUL L1

=> s l2 sam
SAMPLE SEARCH INITIATED 12:14:12 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -      6 TO ITERATE

100.0% PROCESSED       6 ITERATIONS                           0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:            6 TO      266
PROJECTED ANSWERS:               0 TO        0
```

```
L5             0 SEA SSS SAM L2

=> s l2 full
FULL SEARCH INITIATED 12:14:19 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -    187 TO ITERATE

100.0% PROCESSED     187 ITERATIONS                          31 ANSWERS
SEARCH TIME: 00.00.01

L6            31 SEA SSS FUL L2

=> dis his

     (FILE 'HOME' ENTERED AT 12:12:27 ON 18 JAN 2005)

     FILE 'REGISTRY' ENTERED AT 12:12:35 ON 18 JAN 2005
L1               STRUCTURE UPLOADED
L2               STRUCTURE UPLOADED
L3            19 S L1 SAM
L4           344 S L1 FULL
L5             0 S L2 SAM
L6            31 S L2 FULL

=> file hcaplus
COST IN U.S. DOLLARS                        SINCE FILE      TOTAL
                                               ENTRY    SESSION
FULL ESTIMATED COST                           323.52     323.73

FILE 'HCAPLUS' ENTERED AT 12:14:44 ON 18 JAN 2005
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FILE COVERS 1907 - 18 Jan 2005  VOL 142 ISS 4
FILE LAST UPDATED: 17 Jan 2005  (20050117/ED)

 This file contains CAS Registry Numbers for easy and accurate
 substance identification.


=> s l4
L7            24 L4

=> s l7 and pd<august 2002
      22428505 PD<AUGUST 2002
                  (PD<20020800)
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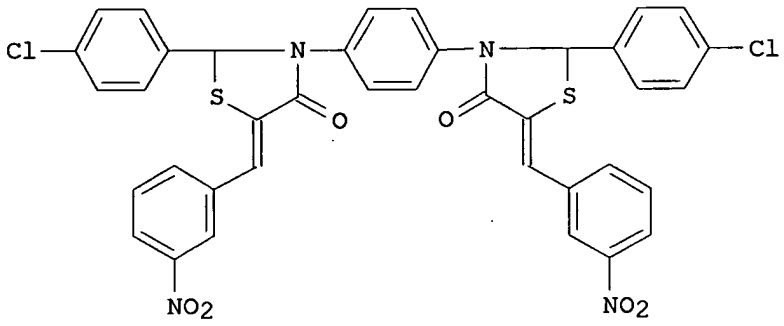
L8 22 L7 AND PD<AUGUST 2002

=> dis l8 1-22 bib abs hitstr

L8 ANSWER 1 OF 22 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 2002:506002 HCAPLUS
DN 137:370017
TI A facile synthesis of p-Bis(4-thiazolidinon-3-yl)phenylenes and related systems
AU Abdel-Megid, M.; Awas, M. A. A.
CS Chemistry Department, Faculty of Education, Ain-Shams University, Cairo, Egypt
SO Heterocyclic Communications (**2002**), 8(2), 161-168
CODEN: HCOMEX; ISSN: 0793-0283
PB Freund Publishing House Ltd.
DT Journal
LA English
OS CASREACT 137:370017
GI



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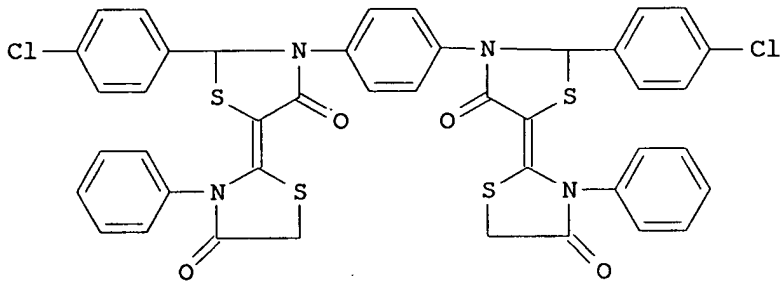


II

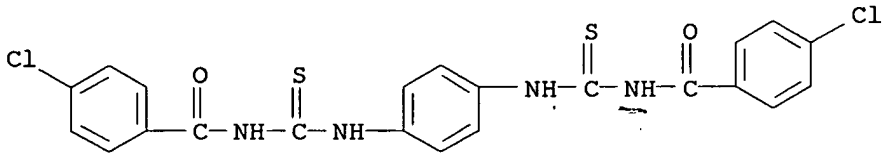
AB P-Bis(4-thiazolidinon-3-yl)phenylenes, e.g., I and II, were synthesized by cycloaddn. of thioglycolic acid with Schiff bases of p-phenylenediamine or by treatment of p-bis(thioureido)phenylenes with Et chloroacetate. Reactions of hydrazines, hydroxylamine, acetamidine and N-phenylthiourea with I and II were reported. Some of the new compds. were tested for their effect on cellobiase, produced by thermophilic fungi.

IT **493026-96-3P**

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of p-bis(4-thiazolidinon-3-yl)phenylenes and related systems and their effect on fungal cellobiase)

RN 493026-96-3 HCAPLUS

CN Benzamide, N,N'-[1,4-phenylenebis(iminocarbonothioyl)]bis[4-chloro- (9CI) (CA INDEX NAME)



RE.CNT 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 2 OF 22 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 2002:437635 HCAPLUS

DN 138:137007

TI Phase transfer catalytic synthesis of phenylene-1,4-bis-aroyl(aryloxyacetyl)thiourea derivatives

AU Deng, Hong-tao; Ye, Wen-fa; Wang, Yan-gang

CS Department of Chemistry, Central China Normal University, Wuhan, 430079, Peop. Rep. China

SO Huazhong Shifan Daxue Xuebao Zirankexueban (**2002**), 36(1), 58-60
CODEN: HDZKEL; ISSN: 1000-1190

PB Huazhong Shifan Daxue Xuebao Bianjibu

DT Journal

LA Chinese

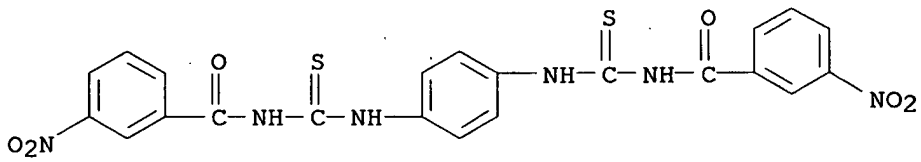
OS CASREACT 138:137007

AB Using p-phenylenediamine and aromatic acid or aryloxyacetic acid as raw materials, PEG-600 as catalyst, ten new phenylene-1,4-bis-aroyl(aryloxyacetyl)thiourea derivs. have been synthesized by solid-liquid phase transfer catalysis. Title compds. showed plant growth regulator activities.

IT **331862-02-3P 493026-92-9P 493026-94-1P**
493026-96-3P 493026-98-5P 493027-01-3P
RL: BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(phase transfer catalytic synthesis of phenylene-1,4-bis-aroyl(aryloxyacetyl)thiourea derivs.)

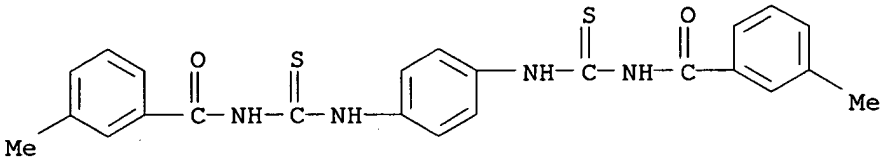
RN 331862-02-3 HCAPLUS

CN Benzamide, N,N'-[1,4-phenylenebis(iminocarbonothioyl)]bis[3-nitro- (9CI) (CA INDEX NAME)

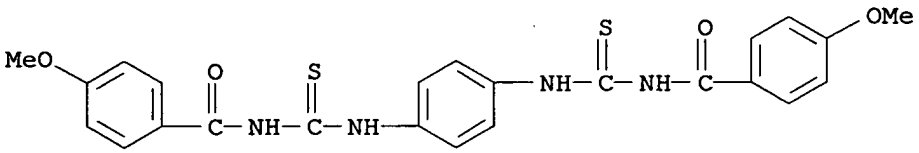


RN 493026-92-9 HCAPLUS

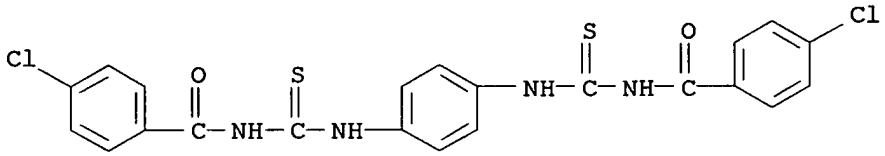
CN Benzamide, N,N'-[1,4-phenylenebis(iminocarbonothioyl)]bis[3-methyl- (9CI) (CA INDEX NAME)



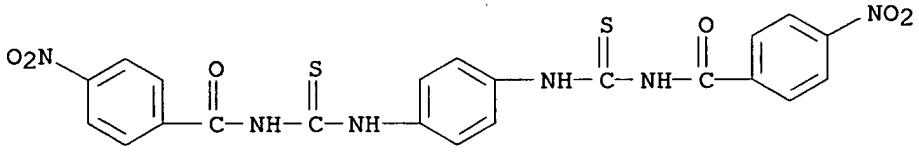
RN 493026-94-1 HCAPLUS
CN Benzamide, N,N'-[1,4-phenylenebis(iminocarbonothioyl)]bis[4-methoxy- (9CI) (CA INDEX NAME)



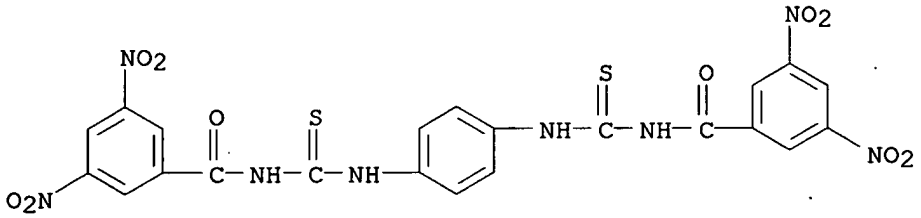
RN 493026-96-3 HCAPLUS
CN Benzamide, N,N'-[1,4-phenylenebis(iminocarbonothioyl)]bis[4-chloro- (9CI) (CA INDEX NAME)



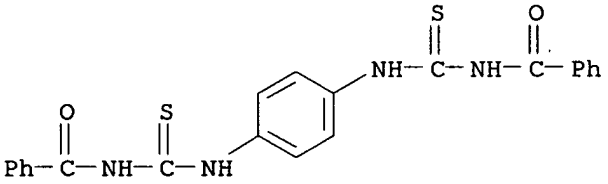
RN 493026-98-5 HCAPLUS
CN Benzamide, N,N'-[1,4-phenylenebis(iminocarbonothioyl)]bis[4-nitro- (9CI) (CA INDEX NAME)



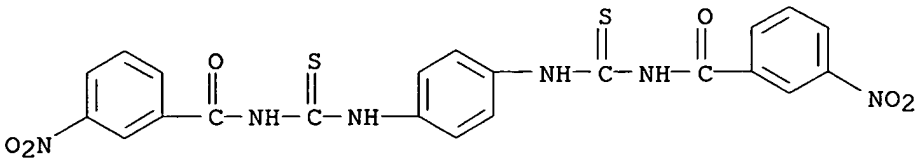
RN 493027-01-3 HCAPLUS
CN Benzamide, N,N'-[1,4-phenylenebis(iminocarbonothioyl)]bis[3,5-dinitro- (9CI) (CA INDEX NAME)



L8 ANSWER 3 OF 22 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 2001:76696 HCAPLUS
DN 134:266079
TI Phase transfer catalyzed synthesis of arene-bis-aroyl thiourea derivatives
AU Zhang, You-Ming; Wei, Tai-Bao; Gao, Li-Ming
CS Department of Chemistry, Northwest Normal University, Lanzhou, 730 070, Peop. Rep. China
SO Indian Journal of Chemistry, Section B: Organic Chemistry Including Medicinal Chemistry (**2000**), 39B(9), 700-702
CODEN: IJSBDB; ISSN: 0376-4699
PB National Institute of Science Communication, CSIR
DT Journal
LA English
OS CASREACT 134:266079
AB Reaction of 4.5 mmol arene diamines [1,2- and 1,4-(H2N)2C6H4, 4-H2NC6H4C6H4NH2-4, 4-H2N-3-MeC6H4C6H4Me-3-NH2-4] with 10 mmol aroyl chloride RCOCl (R = Ph, m-O2NC6H4, 2-furyl) and 15 mmol ammonium thiocyanate in 25 mL CH2Cl2 under the conditions of solid-liquid phase transfer catalysis using 3% (with respect to NH4SCN) polyethylene-glycol-600 (PEG-600) as the catalyst furnishes 12 arene-bis-aroyl thioureas in good to excellent (86-98%) yields. E.g., reaction of BzCl with 1,4-(H2N)2C6H4 and NH4SCN in CH2Cl2 containing PEG-600 gave 98% p-BzNHC(S)NHC6H4NHC(S)NHBz. The products were characterized by anal. and spectral (IR and 1H NMR) data.
IT **70110-39-3P 331862-02-3P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(phase-transfer carbamoylation of in-situ formed aroyl isothiocyanates with arene diamines)
RN 70110-39-3 HCAPLUS
CN Benzamide, N,N'-[1,4-phenylenebis(iminocarbonothioyl)]bis- (9CI) (CA INDEX NAME)

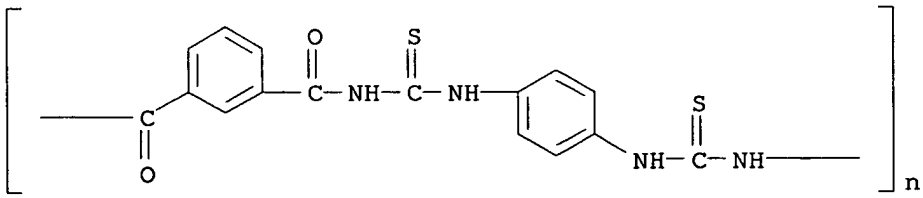


RN 331862-02-3 HCAPLUS
CN Benzamide, N,N'-[1,4-phenylenebis(iminocarbonothioyl)]bis[3-nitro- (9CI) (CA INDEX NAME)



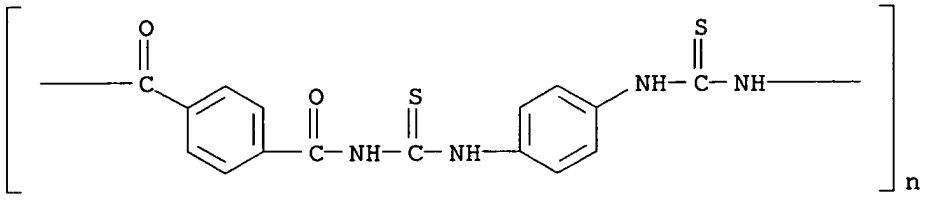
RE.CNT 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 4 OF 22 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 1998:104912 HCAPLUS
DN 128:154466
TI Synthesis, characterization and electrical conductivity of polyesters, polyamides and doped polymers
AU Bhatt, Vasishta D.; Ray, Arabinda
CS Department of Chemistry, S.P. University, Vallabh Vidyanagar, 388120, India
SO Synthetic Metals (**1998**), 92(2), 115-120
CODEN: SYMEDZ; ISSN: 0379-6779
PB Elsevier Science S.A.
DT Journal
LA English
AB Polyamides and polyesters containing azomethyne linkages were prepared by condensation from thioamide monomers and acid chlorides and from Schiff's bases and terephthalic acid chloride and isophthalic acid chloride, resp. The elec. conductivity of the resulting conducting polymers was studied using simple PPP [PPP] calcns. and exptl. measurements. The UV spectra of monomers and polymers indicate π - π^* transitions, however, no correlation could be obtained of this transition and conductivity A reasonably good correlations was obtained between the conductivity of the polymers and the frontier electron d. at the C* atom, from the LUMO [LUMO] and the next higher unoccupied orbital of the repeating unit. Upon doping with Ag, the elec. conductivity all polymers increased significantly, which is attributed to contributions of all unoccupied orbitals of adjacent repeating units to the C* atom.
IT **70113-14-3P 202803-51-8P**
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(preparation and electronic structure and elec. conductivity of undoped and silver-doped azomethyne group-containing polyester and thio group containing polyamide conducting polymers)
RN 70113-14-3 HCAPLUS
CN Poly(iminocarbonothioylimino-1,4-phenyleneiminocarbonothioyliminocarbonyl-1,3-phenylenecarbonyl) (9CI) (CA INDEX NAME)



RN 202803-51-8 HCAPLUS
CN Poly(iminocarbonothioylimino-1,4-phenyleneiminocarbonothioyliminocarbonyl-

1,4-phenylenecarbonyl) (9CI) (CA INDEX NAME)

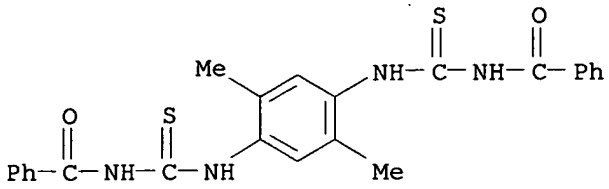


RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

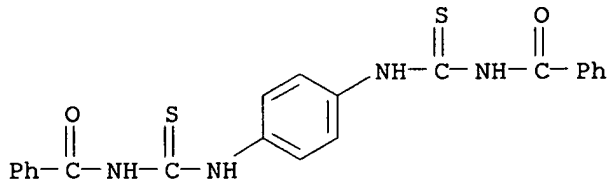
L8 ANSWER 5 OF 22 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 1995:526587 HCAPLUS
DN 122:267065
TI Compounds containing two thiourea groups and their use in near-infrared absorbers and heat-blocking materials
IN Hayasaka, Hideki; Takano, Toshiyuki; Satake, Toshimi
PA Nippon Paper Industries Co., Ltd., Japan
SO Eur. Pat. Appl., 47 pp.
CODEN: EPXXDW
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 611754	A1	19940824	EP 1994-301189	19940218 <--
	EP 611754	B1	19980422		
	R: DE, FR, IT				
	JP 06299139	A2	19941025	JP 1993-199664	19930811 <--
	JP 3603315	B2	20041222		
	AU 9455219	A1	19940825	AU 1994-55219	19940218 <--
	AU 683031	B2	19971030		
	US 5723075	A	19980303	US 1996-634126	19960419 <--
PRAI	JP 1993-30954	A	19930219		
	JP 1993-199664	A	19930811		
	US 1994-197948	B1	19940217		

OS MARPAT 122:267065
AB Thiourea derivs. RNHCSNHZ1AZ2NHCSNHR and RNHCSNHZ3NHCSNHR (R = alkyl, aralkyl, aryl, acyl, alkenyl, alkoxycarbonyl, etc.; A = CH2, CH2CH2, S, O, CONH, NH, etc.; Z1-2 = 1,4-phenylene optionally substituted by alkyl, nitro, cyano, and/or halo groups; Z3 = arylene or substituted arylene) having high decomposition temps. are prepared and used with Cu compds. in resin moldings which absorb near-IR radiation. Reacting PhCH2NCS with bis(4-aminophenyl)methane gave (PhCH2NHCSNH-p-C6H4)2CH2 (decomposition temperature 210.5°) which was mixed with CU stearate and polystyrene at 190° and extruded to give a near-IR absorber.
IT **162781-28-4P**
RL: IMF (Industrial manufacture); POF (Polymer in formulation); PRP (Properties); PREP (Preparation); USES (Uses)
(preparation and use as heat-resistant near-IR absorbers)
RN 162781-28-4 HCAPLUS
CN Benzamide, N,N'-[(2,5-dimethyl-4,1-phenylene)bis(iminocarbonothioyl)]bis- (9CI) (CA INDEX NAME)



L8 ANSWER 6 OF 22 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 1990:244915 HCAPLUS
DN 112:244915
TI Complexes of copper(II) with some new thiocarbamide derivatives
AU Abu El-Reash, Gaber M.; Taha, Fatma I.; Badr, Gamila
CS Fac. Sci., Mansoura Univ., Mansoura, Egypt
SO Transition Metal Chemistry (Dordrecht, Netherlands) (**1990**), 15(2), 116-19
CODEN: TMCHDN; ISSN: 0340-4285
DT Journal
LA English
AB A new series of thiocarbamides was prepared by the reaction of benzoylisothiocyanate with 2-aminopyridine, 3-aminopyridine, 2,3-diaminopyridine, 2,6-diaminopyridine, o-phenylenediamine, p-phenylenediamine, and ethylenediamine. The Cu(II) complexes of these ligands were isolated and characterized by elemental analyses, molar conductivities, magnetic moments and spectral (visible, IR) measurements. IR spectra show that the ligands behave as dianionic or neutral tetradentates or as monoanionic, or neutral bidentates. [Cu(HL)Cl]2 (H2L = RNHCSNHBz (R = 2-pyridyl)) and Cu(H2L1)Cl2 (H2L1 = R1(NHCSNHBz)2 (R1 = 2,6-pyridinediyl) are diamagnetic and the other complexes have normal magnetic moment at room temperature Electronic spectral analyses show that Cu2(L1)(OAc)2 is planar and the other complexes are tetragonally distorted octahedral. All the complexes are nonelectrolytes.
IT **70110-39-3P**
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(preparation and IR spectrum of)
RN 70110-39-3 HCAPLUS
CN Benzamide, N,N'-[1,4-phenylenebis(iminocarbonothioyl)]bis- (9CI) (CA INDEX NAME)

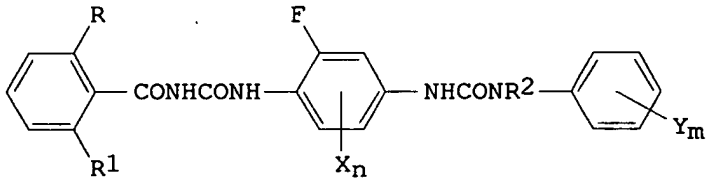


L8 ANSWER 7 OF 22 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 1989:553377 HCAPLUS
DN 111:153377
TI Benzoylurea derivatives as insecticides and acaricides and their preparation
IN Kariya, Akinori; Nanjo, Katsumi; Katsurayama, Takayoshi

PA Agro-Kanesho Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 01034953	A2	19890206	JP 1987-190899	19870730 <--
PRAI JP 1987-190899		19870730		

OS MARPAT 111:153377
GI

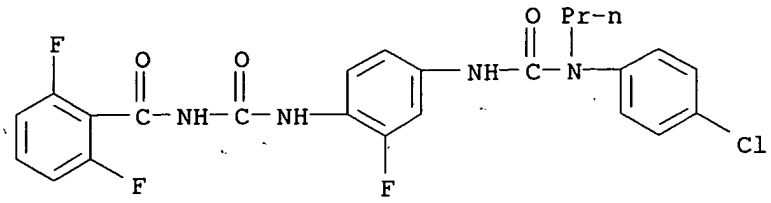


I

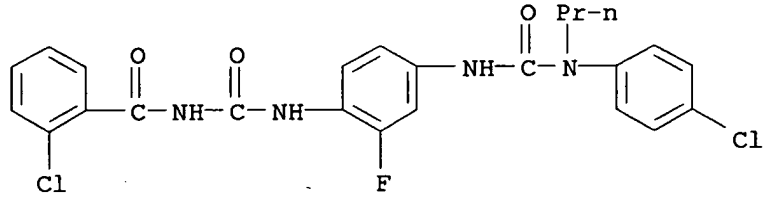
AB The title compds. I (R = halo; R1 = halo, H; X = H, halo, lower alkyl; n = 0, 1; R2 = lower alkyl, alkenyl; Y = H, halo, lower alkyl, alkoxy, etc.; m = 0-3), useful as insecticides and acaricides, were prepared A mixture of N-(3-fluoro-4-aminophenyl)-N'-(4-chlorophenyl)-N'-propylurea and 2,6-difluorobenzoyl isocyanate in ether was stirred at room temperature for 30 min to give I (R = R1 = F, Xn = H, R2 = Pr, Ym = 4-Cl) (II). At 500 ppm, II gave complete control of Plutella xylostella larvae. A wettable powder containing II 40, SiO2 2, clay 53, Na alkylbenzenesulfonate 2, and naphthalenesulfonic acid formalin condensation product 3 parts was prepared

IT **122815-63-8P 122815-64-9P 122815-65-0P**
122815-66-1P 122815-67-2P 122815-68-3P
122815-69-4P 122815-70-7P 122815-71-8P
122815-72-9P 122815-73-0P 122815-74-1P
122815-75-2P 122815-76-3P 122815-77-4P
122815-78-5P 122815-79-6P 122815-80-9P
122815-81-0P 122815-82-1P 122815-83-2P
122815-84-3P 122815-85-4P 122815-86-5P
122815-87-6P 122815-88-7P 122815-89-8P
122829-04-3P
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of, as insecticide and acaricide)

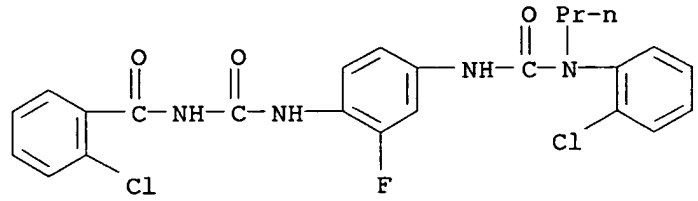
RN 122815-63-8 HCAPLUS
CN Benzamide, N-[[[4-[[[(4-chlorophenyl)propylamino]carbonyl]amino]-2-fluorophenyl]amino]carbonyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



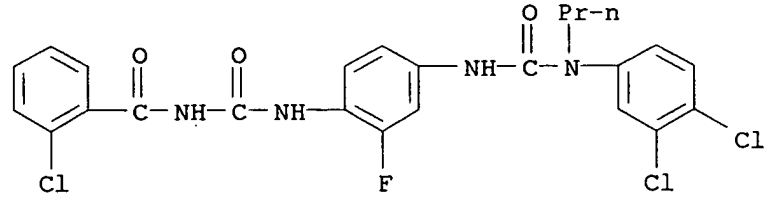
RN 122815-64-9 HCAPLUS
CN Benzamide, 2-chloro-N-[[[4-[[[(4-chlorophenyl)propylamino]carbonyl]amino]-2-fluorophenyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



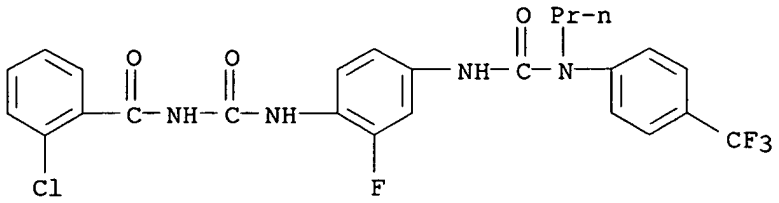
RN 122815-65-0 HCAPLUS
CN Benzamide, 2-chloro-N-[[[4-[[[(2-chlorophenyl)propylamino]carbonyl]amino]-2-fluorophenyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



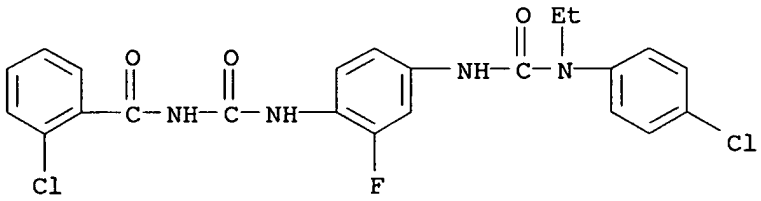
RN 122815-66-1 HCAPLUS
CN Benzamide, 2-chloro-N-[[[4-[[[(3,4-dichlorophenyl)propylamino]carbonyl]amino]-2-fluorophenyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



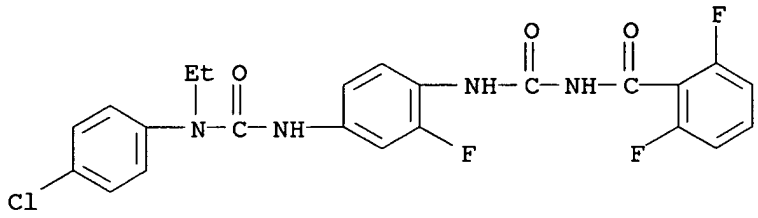
RN 122815-67-2 HCAPLUS
CN Benzamide, 2-chloro-N-[[[2-fluoro-4-[[[propyl[4-(trifluoromethyl)phenyl]amino]carbonyl]amino]phenyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



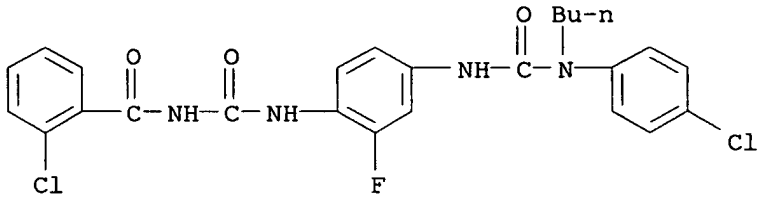
RN 122815-68-3 HCAPLUS
CN Benzamide, 2-chloro-N-[[[4-[[[(4-chlorophenyl)ethylamino]carbonyl]amino]-2-fluorophenyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



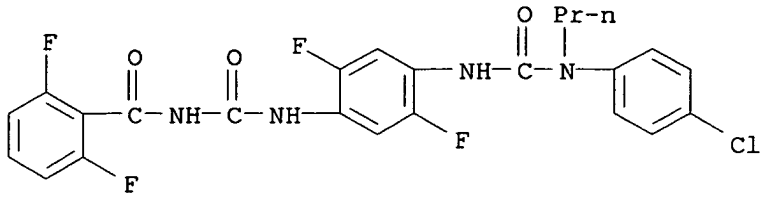
RN 122815-69-4 HCAPLUS
CN Benzamide, N-[[[4-[[[(4-chlorophenyl)ethylamino]carbonyl]amino]-2-fluorophenyl]amino]carbonyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



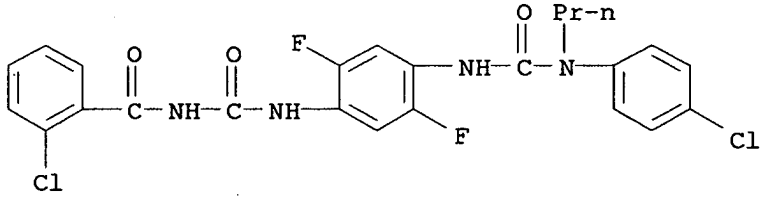
RN 122815-70-7 HCAPLUS
CN Benzamide, N-[[[4-[[[butyl(4-chlorophenyl)amino]carbonyl]amino]-2-fluorophenyl]amino]carbonyl]-2-chloro- (9CI) (CA INDEX NAME)



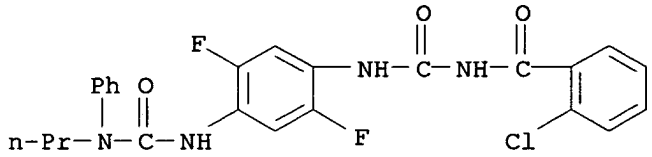
RN 122815-71-8 HCAPLUS
CN Benzamide, N-[[[4-[[[(4-chlorophenyl)propylamino]carbonyl]amino]-2,5-difluorophenyl]amino]carbonyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



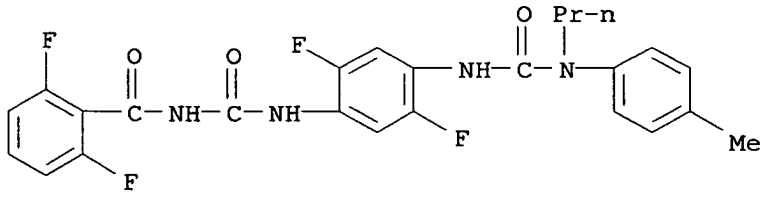
RN 122815-72-9 HCAPLUS
CN Benzamide, 2-chloro-N-[[[4-[[[(4-chlorophenyl)propylamino]carbonyl]amino]-2,5-difluorophenyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



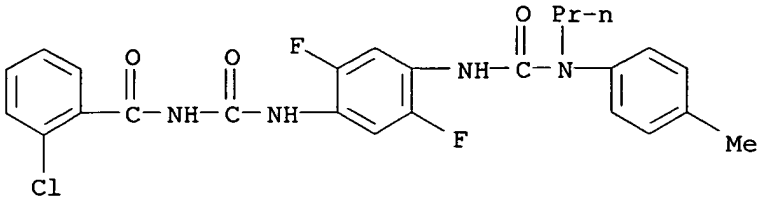
RN 122815-73-0 HCAPLUS
CN Benzamide, 2-chloro-N-[[[2,5-difluoro-4-[[(phenylpropylamino)carbonyl]amino]phenyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



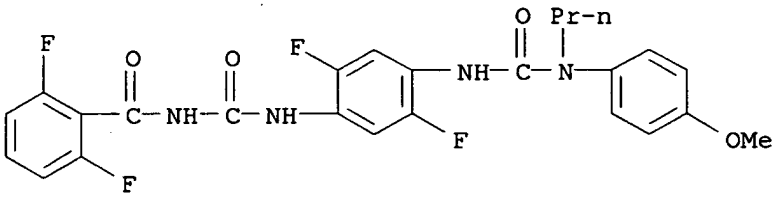
RN 122815-74-1 HCAPLUS
CN Benzamide, N-[[[2,5-difluoro-4-[[[(4-methylphenyl)propylamino]carbonyl]amino]phenyl]amino]carbonyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



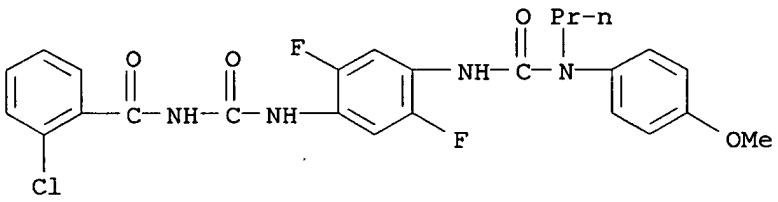
RN 122815-75-2 HCAPLUS
CN Benzamide, 2-chloro-N-[[[2,5-difluoro-4-[[[(4-methylphenyl)propylamino]carbonyl]amino]phenyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



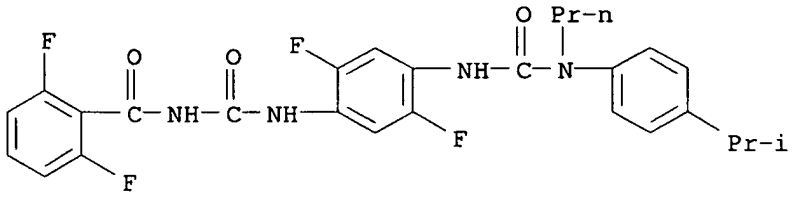
RN 122815-76-3 HCAPLUS
CN Benzamide, N-[[[2,5-difluoro-4-[[[(4-methoxyphenyl)propylamino]carbonyl]amino]phenyl]amino]carbonyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



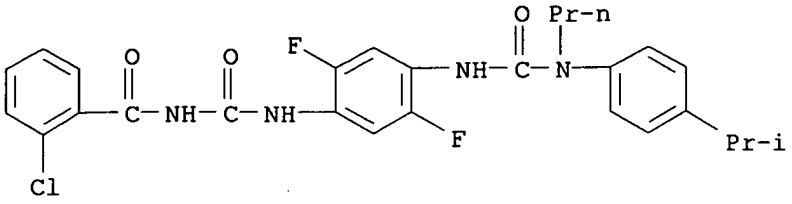
RN 122815-77-4 HCAPLUS
CN Benzamide, 2-chloro-N-[[[2,5-difluoro-4-[[[(4-methoxyphenyl)propylamino]carbonyl]amino]phenyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



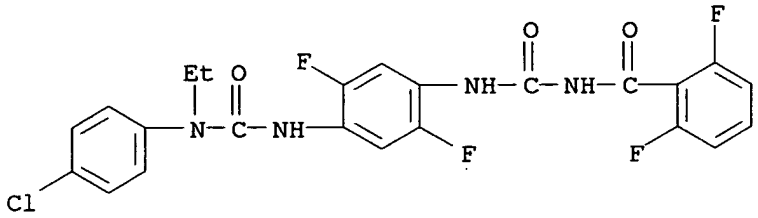
RN 122815-78-5 HCAPLUS
CN Benzamide, N-[[[2,5-difluoro-4-[[[[4-(1-methylethyl)phenyl]propylamino]carbonyl]amino]phenyl]amino]carbonyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



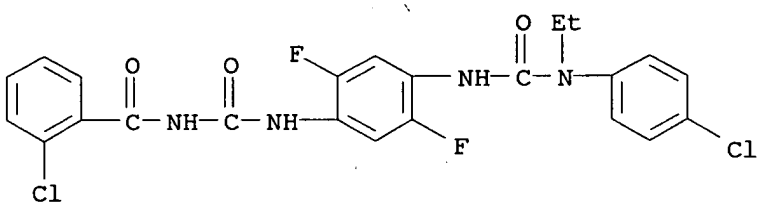
RN 122815-79-6 HCAPLUS
CN Benzamide, 2-chloro-N-[[[2,5-difluoro-4-[[[[4-(1-methylethyl)phenyl]propylamino]carbonyl]amino]phenyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



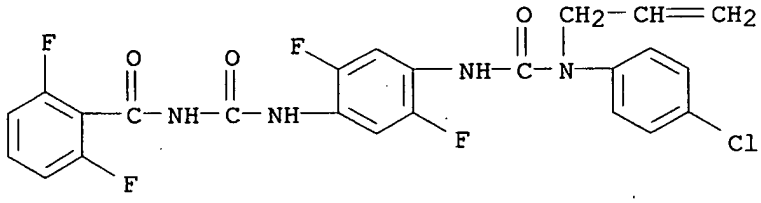
RN 122815-80-9 HCAPLUS
CN Benzamide, N-[[[4-[[[(4-chlorophenyl)ethylamino]carbonyl]amino]-2,5-difluorophenyl]amino]carbonyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



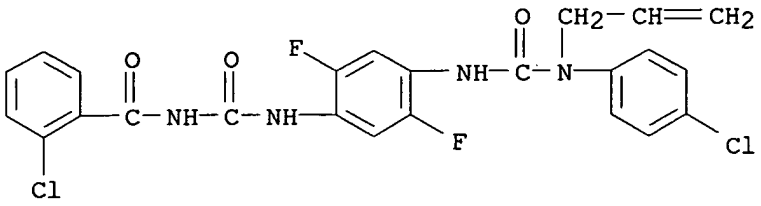
RN 122815-81-0 HCAPLUS
CN Benzamide, 2-chloro-N-[[[4-[[[(4-chlorophenyl)ethylamino]carbonyl]amino]-2,5-difluorophenyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



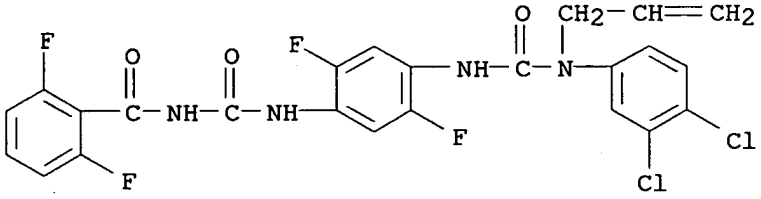
RN 122815-82-1 HCAPLUS
CN Benzamide, N-[[[4-[[[(4-chlorophenyl)-2-propenylamino]carbonyl]amino]-2,5-difluorophenyl]amino]carbonyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



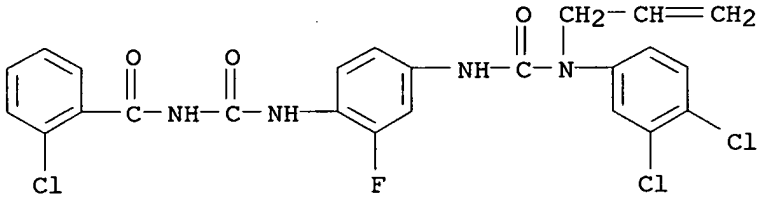
RN 122815-83-2 HCAPLUS
CN Benzamide, 2-chloro-N-[[[4-[[[(4-chlorophenyl)-2-propenylamino]carbonyl]amino]-2,5-difluorophenyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



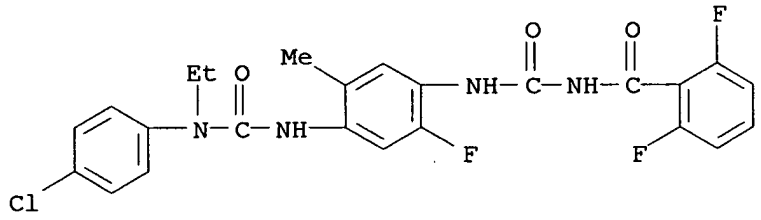
RN 122815-84-3 HCAPLUS
CN Benzamide, N-[[[4-[[[(3,4-dichlorophenyl)-2-propenylamino]carbonyl]amino]-2,5-difluorophenyl]amino]carbonyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



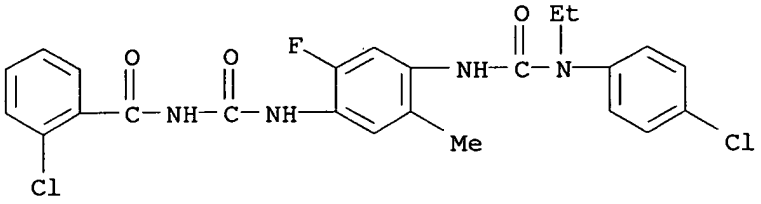
RN 122815-85-4 HCAPLUS
CN Benzamide, 2-chloro-N-[[[4-[[[(3,4-dichlorophenyl)-2-propenylamino]carbonyl]amino]-2-fluorophenyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



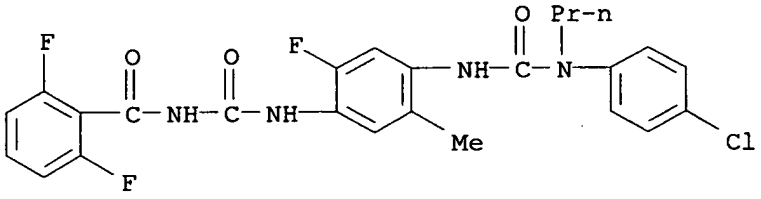
RN 122815-86-5 HCAPLUS
CN Benzamide, N-[[[4-[[[(4-chlorophenyl)ethylamino]carbonyl]amino]-2-fluoro-5-methylphenyl]amino]carbonyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



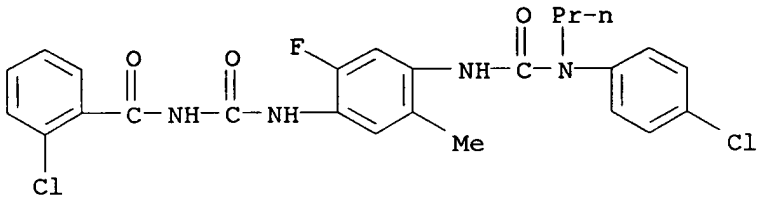
RN 122815-87-6 HCAPLUS
CN Benzamide, 2-chloro-N-[[[4-[[[(4-chlorophenyl)ethylamino]carbonyl]amino]-2-fluoro-5-methylphenyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



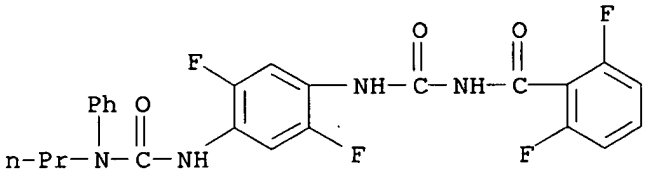
RN 122815-88-7 HCAPLUS
CN Benzamide, N-[[[4-[[[(4-chlorophenyl)propylamino]carbonyl]amino]-2-fluoro-5-methylphenyl]amino]carbonyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



RN 122815-89-8 HCAPLUS
CN Benzamide, 2-chloro-N-[[[4-[[[(4-chlorophenyl)propylamino]carbonyl]amino]-2-fluoro-5-methylphenyl]amino]carbonyl]- (9CI) (CA INDEX NAME)

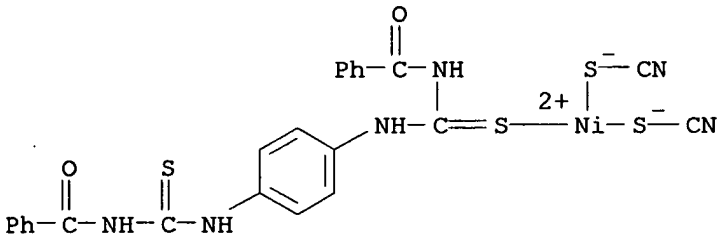


RN 122829-04-3 HCAPLUS
CN Benzamide, N-[[[2,5-difluoro-4-[[(phenylpropylamino)carbonyl]amino]phenyl]amino]carbonyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



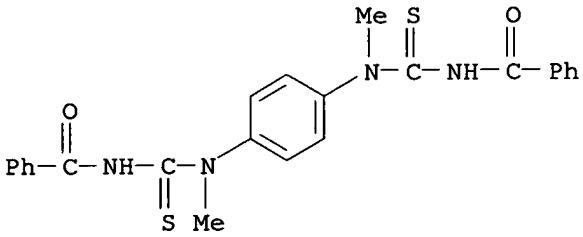
L8 ANSWER 8 OF 22 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 1988:160301 HCAPLUS
DN 108:160301
TI Studies on the transition metal thiocyanate complexes with thioureas containing sulfur-sulfur and oxygen-sulfur-sulfur-oxygen donor sequences
AU Tembe, G. L.; Murty, A. S. R.

CS Dep. Chem., Karnatak Univ., Dharwad, 580 003, India
SO Current Science (**1987**), 56(24), 1277-9
CODEN: CUSCAM; ISSN: 0011-3891
DT Journal
LA English
AB ML(SCN)2 [M = Co, Ni, L = BzNHC(S)NH(CH2)2NHC(S)NHBz, o-C6H4(NHC(S)NHPh)2; m = Ni, L = o- and p-C6H4(NHC(S)NHBz)2] were prepared The complexes were characterized by molar conductivity and magnetic moment data, IR and electronic spectra and thermal anal. The ligands coordinate through the S atoms. Ligand field parameters were calculated The Ni complexes are octahedral and the Co complexes are 4 coordinate.
IT **113804-07-2P**
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(preparation and ligand field parameters of)
RN 113804-07-2 HCAPLUS
CN Nickel, [N,N'-[1,4-phenylenebis(iminocarbonothioyl)]bis[benzamide]-S]bis(thiocyanato-S)- (9CI) (CA INDEX NAME)

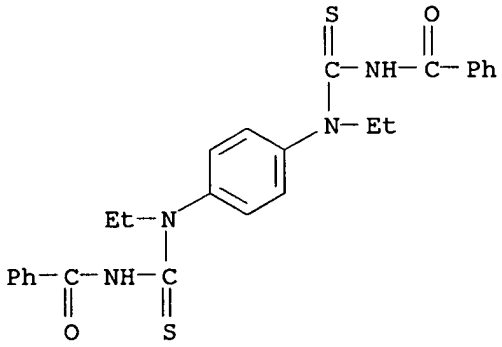


L8 ANSWER 9 OF 22 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 1987:42838 HCAPLUS
DN 106:42838
TI Binucleating bis-N-acylthioureas - ligands in trimetallamacrocycles and polynuclear metal chelates
AU Koehler, R.; Kirmse, R.; Richter, R.; Sieler, J.; Hoyer, E.; Beyer, L.
CS Sekt. Chem., Karl-Marx-Univ., Leipzig, Fed. Rep. Ger.
SO Zeitschrift fuer Anorganische und Allgemeine Chemie (**1986**), 537, 133-44
CODEN: ZAACAB; ISSN: 0044-2313
DT Journal
LA German
AB By sym. linking of 2 bidentate N-acylthioureas 2 types of quadridentate bis-N-acylthioureas are available which act, after di-deprotonation as bis-bidentate S, O ligands towards polyvalent metal ions. They can form oligomeric or polymeric, cyclic or chain chelates. With 1,1,1',1'-tetraalkyl-3,3'-terephthaloylbisthioureas (H2L) oligomeric triangulo-trimetallamacrocycles Ni3L3 and Cu3L3 were obtained. They contain perimetric 27-membered rings, counting the internal oxygens, or 39-membered rings with the external S atoms on the other hand, i.e. equal chalcogen atoms are in cis-positions within each chelate unit around the 3 metal ions. The trimetallamacrocyclic structure was proved by x-ray crystal and mol. structure anal. of Ni3L3 (alkyl = Et) or EPR of the corresponding Cu3L3. Diamine-linked bis-N-acylthioureas form insol. 1:1 polymeric chelates.
IT **104359-19-5P 104359-20-8P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 104359-19-5 HCAPLUS
CN Benzamide, N,N'-[1,4-phenylenebis[(methylimino)carbonothioyl]]bis- (9CI) (CA INDEX NAME)



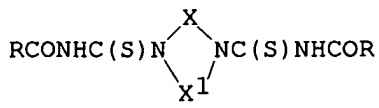
RN 104359-20-8 HCAPLUS
CN Benzamide, N,N'-[1,4-phenylenebis[(ethylimino)carbonothioyl]]bis- (9CI) (CA INDEX NAME)



L8 ANSWER 10 OF 22 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 1987:18148 HCAPLUS
DN 106:18148
TI N,N'-disubstituted bisacylthiourea derivatives
IN Beyer, Lothar; Koehler, Ronald; Hoyer, Eberhard; Hartung, Juergen
PA Karl-Marx-Universitaet Leipzig, Ger. Dem. Rep.
SO Ger. (East), 11 pp.
CODEN: GEXXA8
DT Patent
LA German
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI DD 229400	A1	19851106	DD 1984-270354	19841206 <--
PRAI DD 1984-270354		19841206		

GI

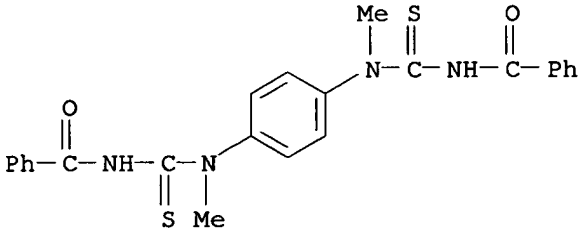


II

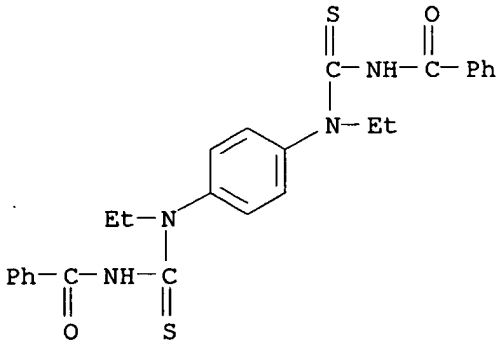
AB The title compds. [RCONHC(S)NR1]2Z [I; R = (un)substituted Ph; R1 = alkyl, aryl; Z = (un)substituted arylene, (CH2)n; n = 2-18] and II [R as above; X, X1 = (CH2)2, CH:CH] are prepared as chelating agents. Thus, 6.5 g BzNCS (preparation given) was added to a solution of 2.6 g N,N'-dimethyl-p-phenylenediamine and 1 g Et3N in 30 mL acetone, to give I (R = Ph, R1 = Me, Z = p-C6H4) (III). III (5 mmol) in 80 mL DMF was added to 1.25 g Ni(OAc)2.4H2O in 150 mL DMF, to give a polymeric III.Ni complex.

IT **104359-19-5P 104359-20-8P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as chelating agent)

RN 104359-19-5 HCAPLUS
CN Benzamide, N,N'-[1,4-phenylenebis[(methylimino)carbonothioyl]]bis- (9CI) (CA INDEX NAME)

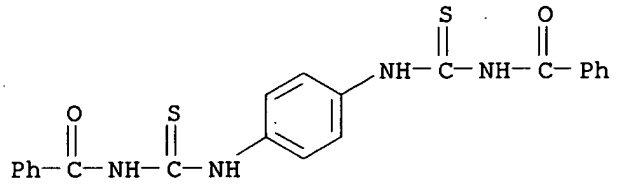


RN 104359-20-8 HCAPLUS
CN Benzamide, N,N'-[1,4-phenylenebis[(ethylimino)carbonothioyl]]bis- (9CI) (CA INDEX NAME)



L8 ANSWER 11 OF 22 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 1985:422429 HCAPLUS
DN 103:22429
TI Synthesis and spectroscopic properties of some new N,N'-disubstituted thioureas of potential biological interest
AU Sarkis, George Y.; Faisal, Essam D.
CS Coll. Sci., Univ. Baghdad, Baghdad, Iraq
SO Journal of Heterocyclic Chemistry (**1985**), 22(1), 137-40
CODEN: JHTCAD; ISSN: 0022-152X
DT Journal
LA English

OS CASREACT 103:22429
AB Thirty-six N,N'-disubstituted thioureas RNHCSNHR1 [R = Bz, Ph, 4-FC6H4; R1 = (un)substituted Ph, pyridyl, 4-quinolyl] were synthesized by the reaction of RNCS with R1NH2. The UV, IR and NMR spectral data are presented and discussed.
IT **70110-39-3P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 70110-39-3 HCAPLUS
CN Benzamide, N,N'-[1,4-phenylenebis(iminocarbonothioyl)]bis- (9CI) (CA INDEX NAME)



L8 ANSWER 12 OF 22 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 1984:630162 HCAPLUS
DN 101:230162
TI Benzoylurea compounds for pesticidal and pharmaceutical use
IN Brouwer, Marius S.; Grosscurt, Arnoldus C.
PA Duphar International Research B. V., Neth.
SO Eur. Pat. Appl., 31 pp.
CODEN: EPXXDW
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
PI	EP 116729	A2	19840829	EP 1983-201862	19831230	<--
	EP 116729	A3	19840926			
	EP 116729	B1	19881012			
	R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE					
	AT 37869	E	19881015	AT 1983-201862	19831230	<--
	AU 8423614	A1	19840726	AU 1984-23614	19840119	<--
	AU 562260	B2	19870604			
	BR 8400234	A	19840828	BR 1984-234	19840119	<--
	ZA 8400422	A	19840926	ZA 1984-422	19840119	<--
	US 4665235	A	19870512	US 1984-572143	19840119	<--
	CA 1247644	A1	19881227	CA 1984-445614	19840119	<--
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	DK 159923	C	19910521			
	DD 219101	A5	19850227	DD 1984-259516	19840120	<--
	ES 529033	A1	19850316	ES 1984-529033	19840120	<--
	PL 139504	B1	19870131	PL 1984-245840	19840120	<--
	HU 35477	O	19850729	HU 1984-263	19840123	<--
	HU 193668	B	19871130			
	IL 70747	A1	19861130	IL 1984-70747	19840123	<--
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	JP 04014660	B4	19920313			
	CS 242896	B2	19860515	CS 1984-527	19840124	<--

	SU 1375125	A3	19880215	SU 1984-3751717	19840618 <--
	US 4710516	A	19871201	US 1986-932296	19861119 <--
PRAI	NL 1983-238	A	19830124		
	EP 1983-201862	A	19831230		
	US 1984-572143	A2	19840119		

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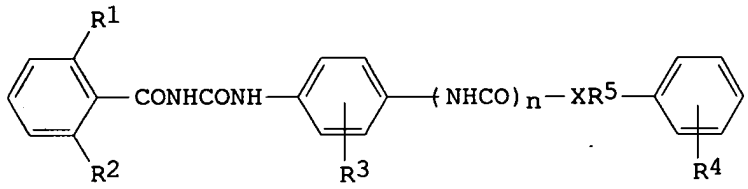


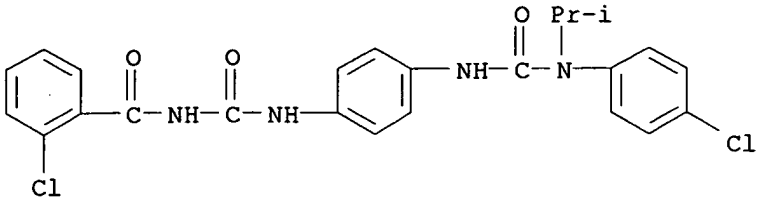
I

AB About 74 title compds. I (R1 = halo; R2 = H, halo; R3 = H, or 1-2 substituents selected from Cl, Me, CF3; R4 = H or 1-3 substituents selected from halo, alkyl, alkoxy, haloalkyl, haloalkoxy; X = N, CH; n = 0, 1; R5 = H, C1-6 alkyl, C2-6 alkenyl, C3-6 cycloalkyl; if n = 0, and R5 = H, then R3 = H), insecticides, acaricides, and antitumor agents, were prepared E.g., treating 0.90 g 2,6-F2C6H3CONCO with 1.27 g H2NC6H4NPrC6H4Cl-4 in Et2O at room temperature gave 1.50 g N-(2,6-difluorobenzoyl)-N'-[4-[N-(4-chlorophenyl)-N-propylamino]phenyl]urea (II). At 1 mg/L, II gave 90-91% mortality of larvae of Pieris brassicae.

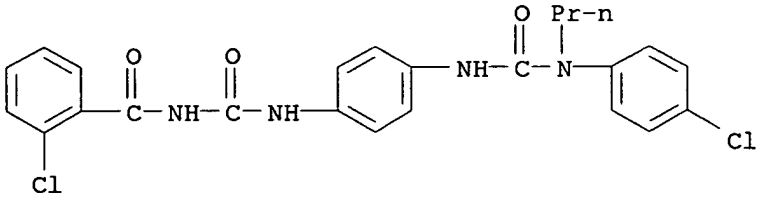
IT **93275-07-1P 93275-08-2P 93275-09-3P**
93275-35-5P 93275-36-6P 93275-37-7P
93275-38-8P 93275-39-9P 93275-40-2P
93275-41-3P 93275-42-4P 93275-43-5P
93275-44-6P 93275-45-7P 93275-46-8P
93275-47-9P 93275-48-0P 93275-49-1P
93275-50-4P 93275-51-5P 93275-52-6P
93275-53-7P 93275-54-8P 93275-55-9P
93275-56-0P 93275-57-1P 93275-58-2P
93275-59-3P 93275-60-6P 93275-61-7P
93275-62-8P 93275-63-9P 93275-64-0P
93275-65-1P 93275-66-2P 93275-71-9P
93275-72-0P 93275-73-1P 93275-74-2P
93442-91-2P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation, pesticidal activity, and antitumor activity of)

RN 93275-07-1 HCAPLUS

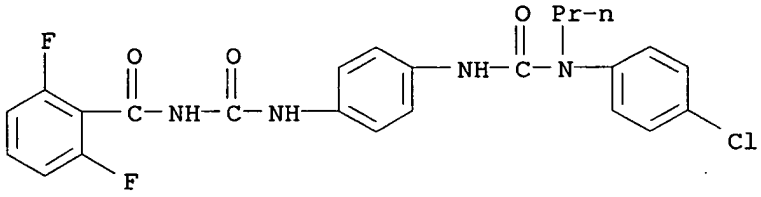
CN Benzamide, 2-chloro-N-[[[4-[[[(4-chlorophenyl)(1-methylethyl)amino]carbonyl]amino]phenyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



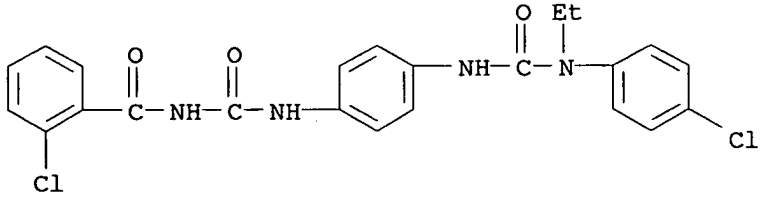
RN 93275-08-2 HCAPLUS
CN Benzamide, 2-chloro-N-[[[4-[[[(4-chlorophenyl)propylamino]carbonyl]amino]phenyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



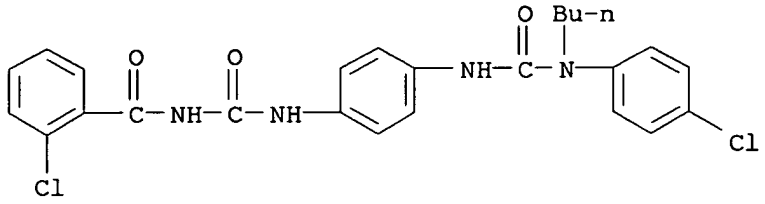
RN 93275-09-3 HCAPLUS
CN Benzamide, N-[[[4-[[[(4-chlorophenyl)propylamino]carbonyl]amino]phenyl]amino]carbonyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



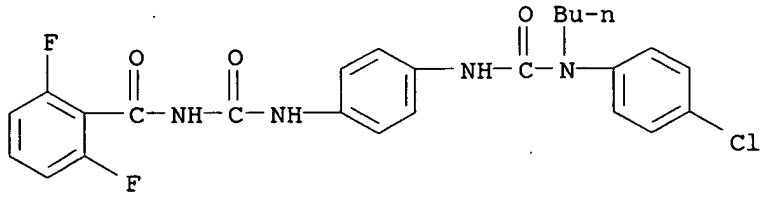
RN 93275-35-5 HCAPLUS
CN Benzamide, 2-chloro-N-[[[4-[[[(4-chlorophenyl)ethylamino]carbonyl]amino]phenyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



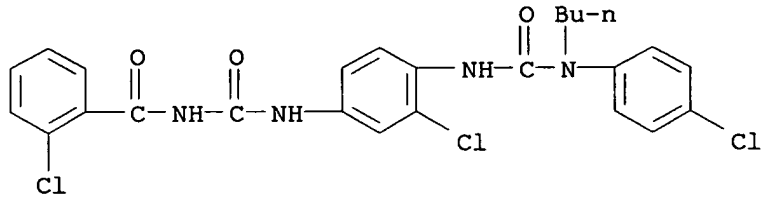
RN 93275-36-6 HCAPLUS
CN Benzamide, N-[[[4-[[[butyl(4-chlorophenyl)amino]carbonyl]amino]phenyl]amino]carbonyl]-2-chloro- (9CI) (CA INDEX NAME)



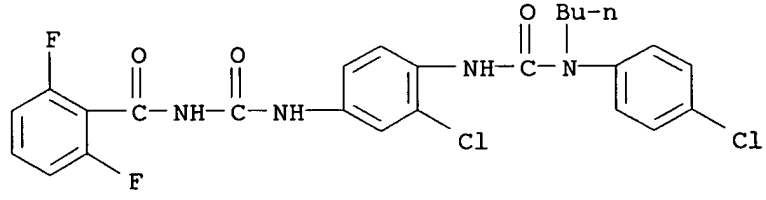
RN 93275-37-7 HCAPLUS
CN Benzamide, N-[[[4-[[[butyl(4-chlorophenyl)amino]carbonyl]amino]phenyl]amino]carbonyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



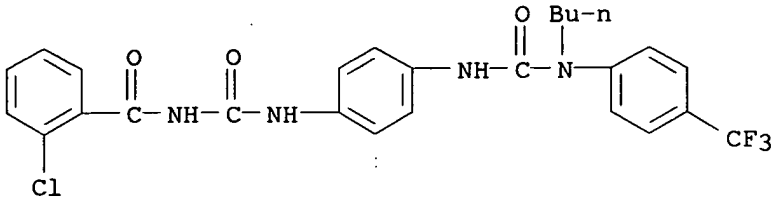
RN 93275-38-8 HCAPLUS
CN Benzamide, N-[[[4-[[[butyl(4-chlorophenyl)amino]carbonyl]amino]-3-chlorophenyl]amino]carbonyl]-2-chloro- (9CI) (CA INDEX NAME)



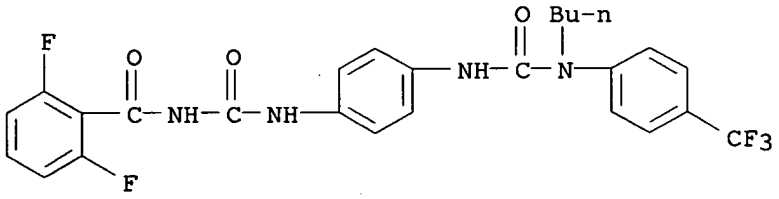
RN 93275-39-9 HCAPLUS
CN Benzamide, N-[[[4-[[[butyl(4-chlorophenyl)amino]carbonyl]amino]-3-chlorophenyl]amino]carbonyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



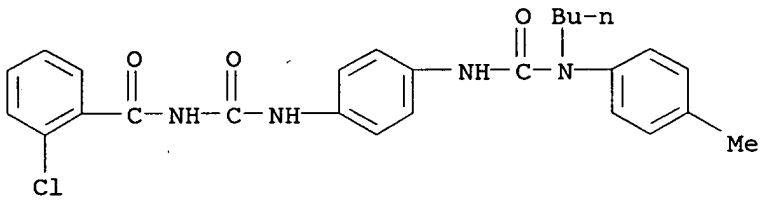
RN 93275-40-2 HCAPLUS
CN Benzamide, N-[[[4-[[[butyl[4-(trifluoromethyl)phenyl]amino]carbonyl]amino]phenyl]amino]carbonyl]-2-chloro- (9CI) (CA INDEX NAME)



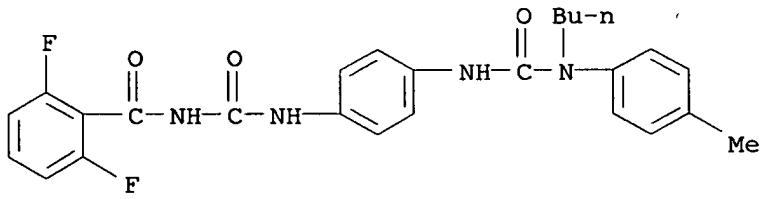
RN 93275-41-3 HCAPLUS
CN Benzamide, N-[[[4-[[[butyl[4-(trifluoromethyl)phenyl]amino]carbonyl]amino]phenyl]amino]carbonyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



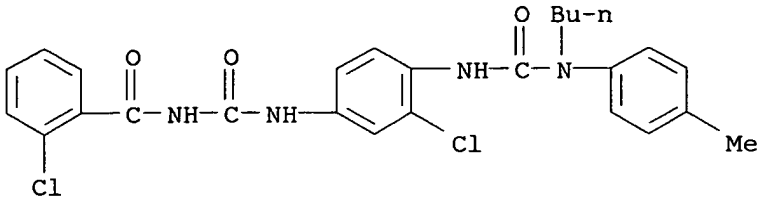
RN 93275-42-4 HCAPLUS
CN Benzamide, N-[[[4-[[[butyl(4-methylphenyl)amino]carbonyl]amino]phenyl]amino]carbonyl]-2-chloro- (9CI) (CA INDEX NAME)



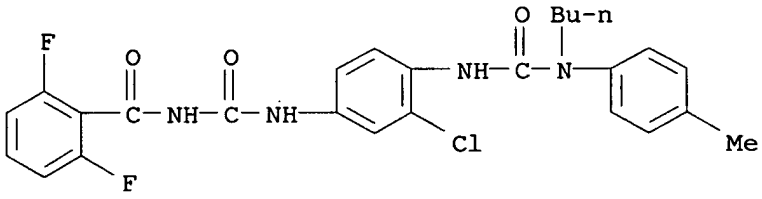
RN 93275-43-5 HCAPLUS
CN Benzamide, N-[[[4-[[[butyl(4-methylphenyl)amino]carbonyl]amino]phenyl]amino]carbonyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



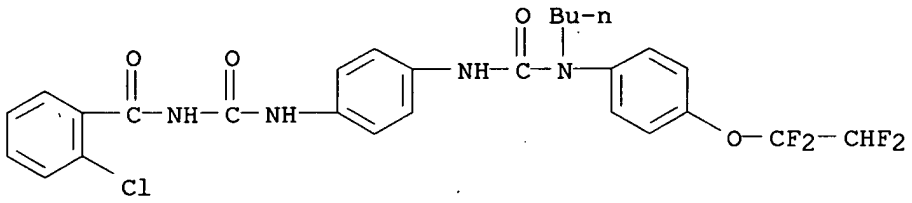
RN 93275-44-6 HCAPLUS
CN Benzamide, N-[[[4-[[[butyl(4-methylphenyl)amino]carbonyl]amino]-3-chlorophenyl]amino]carbonyl]-2-chloro- (9CI) (CA INDEX NAME)



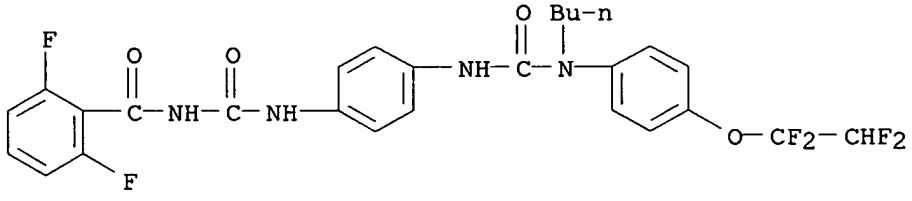
RN 93275-45-7 HCAPLUS
CN Benzamide, N-[[[4-[[[butyl(4-methylphenyl)amino]carbonyl]amino]-3-chlorophenyl]amino]carbonyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



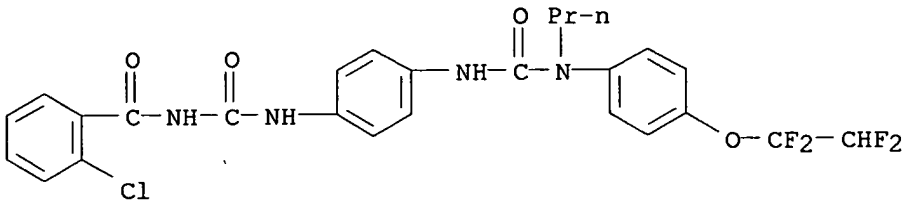
RN 93275-46-8 HCAPLUS
CN Benzamide, N-[[[4-[[[butyl[4-(1,1,2,2-tetrafluoroethoxy)phenyl]amino]carbonyl]amino]phenyl]amino]carbonyl]-2-chloro- (9CI) (CA INDEX NAME)



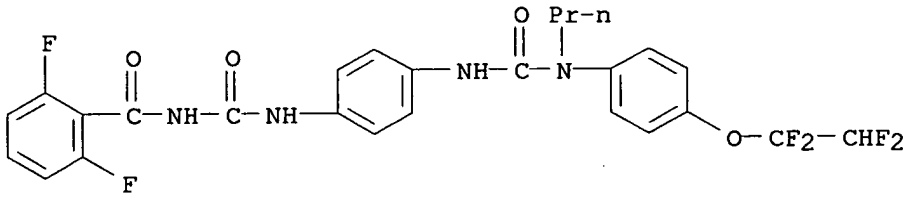
RN 93275-47-9 HCAPLUS
CN Benzamide, N-[[[4-[[[butyl[4-(1,1,2,2-tetrafluoroethoxy)phenyl]amino]carbonyl]amino]phenyl]amino]carbonyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



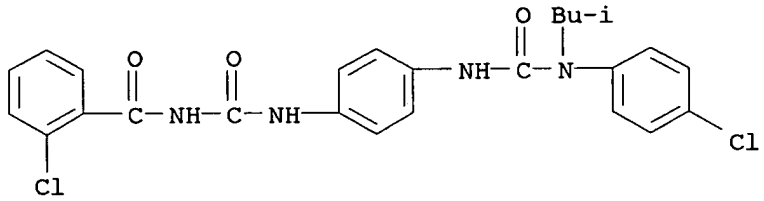
RN 93275-48-0 HCAPLUS
CN Benzamide, 2-chloro-N-[[[4-[[[propyl[4-(1,1,2,2-tetrafluoroethoxy)phenyl]amino]carbonyl]amino]phenyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



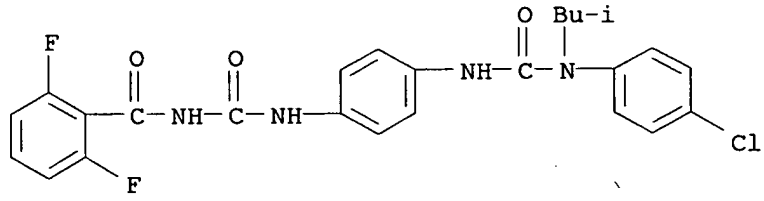
RN 93275-49-1 HCAPLUS
CN Benzamide, 2,6-difluoro-N-[[[4-[[[propyl[4-(1,1,2,2-tetrafluoroethoxy)phenyl]amino]carbonyl]amino]phenyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



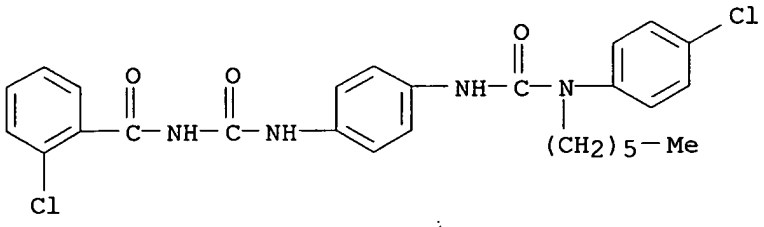
RN 93275-50-4 HCAPLUS
CN Benzamide, 2-chloro-N-[[[4-[[[(4-chlorophenyl)(2-methylpropyl)amino]carbonyl]amino]phenyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



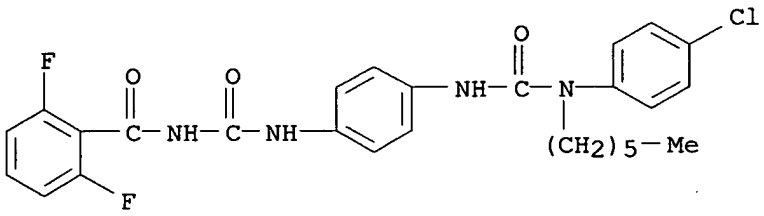
RN 93275-51-5 HCAPLUS
CN Benzamide, N-[[[4-[[[(4-chlorophenyl)(2-methylpropyl)amino]carbonyl]amino]phenyl]amino]carbonyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



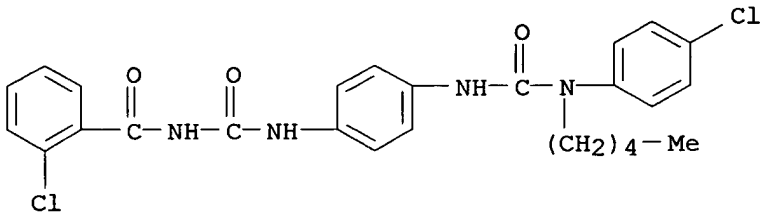
RN 93275-52-6 HCAPLUS
CN Benzamide, 2-chloro-N-[[[4-[[[(4-chlorophenyl)hexylamino]carbonyl]amino]phenyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



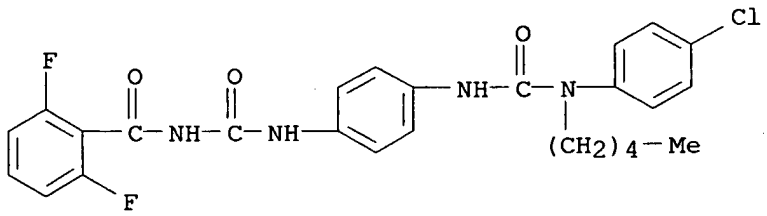
RN 93275-53-7 HCAPLUS
CN Benzamide, N-[[[4-[[[(4-chlorophenyl)hexylamino]carbonyl]amino]phenyl]amino]carbonyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



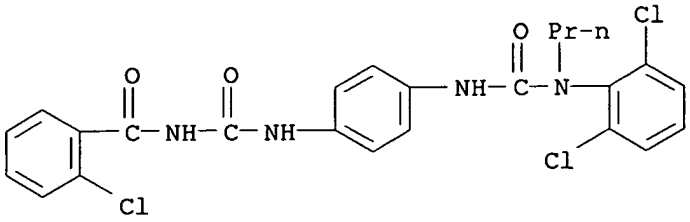
RN 93275-54-8 HCAPLUS
CN Benzamide, 2-chloro-N-[[[4-[[[(4-chlorophenyl)pentylamino]carbonyl]amino]phenyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



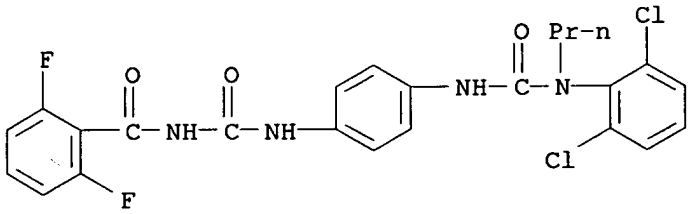
RN 93275-55-9 HCAPLUS
CN Benzamide, N-[[[4-[[[(4-chlorophenyl)pentylamino]carbonyl]amino]phenyl]amino]carbonyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



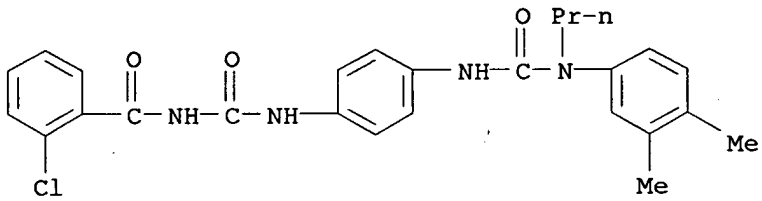
RN 93275-56-0 HCAPLUS
CN Benzamide, 2-chloro-N-[[[4-[[[(2,6-dichlorophenyl)propylamino]carbonyl]amino]phenyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



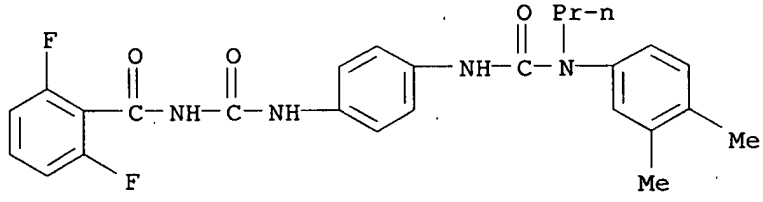
RN 93275-57-1 HCAPLUS
CN Benzamide, N-[[[4-[[[(2,6-dichlorophenyl)propylamino]carbonyl]amino]phenyl]amino]carbonyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



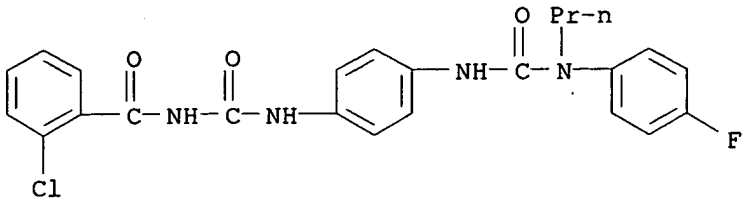
RN 93275-58-2 HCAPLUS
CN Benzamide, 2-chloro-N-[[[4-[[[(3,4-dimethylphenyl)propylamino]carbonyl]amino]phenyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



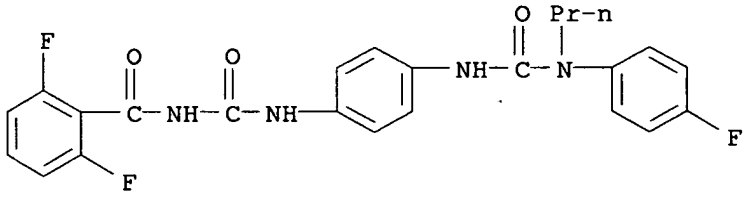
RN 93275-59-3 HCAPLUS
CN Benzamide, N-[[[4-[[[(3,4-dimethylphenyl)propylamino]carbonyl]amino]phenyl]amino]carbonyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



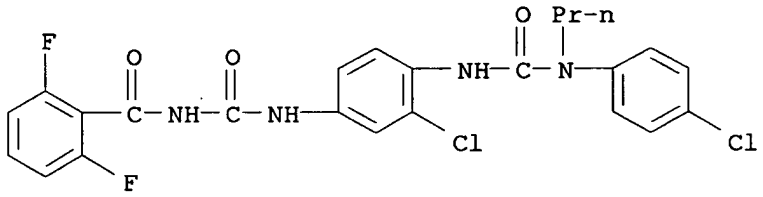
RN 93275-60-6 HCAPLUS
CN Benzamide, 2-chloro-N-[[[4-[[[(4-fluorophenyl)propylamino]carbonyl]amino]phenyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



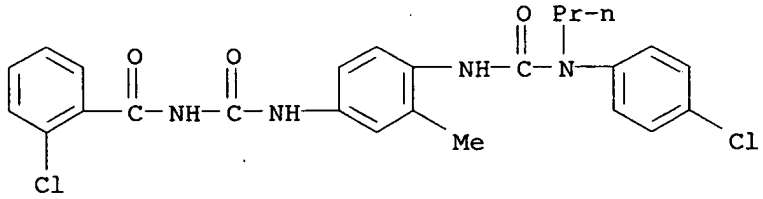
RN 93275-61-7 HCAPLUS
CN Benzamide, 2,6-difluoro-N-[[[4-[[[(4-fluorophenyl)propylamino]carbonyl]amino]phenyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



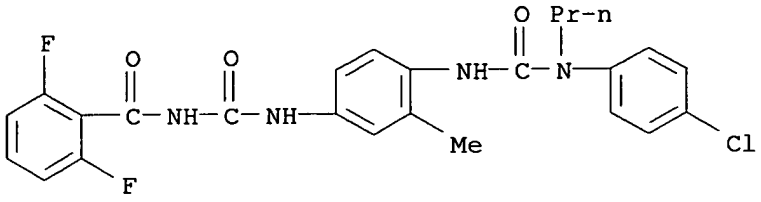
RN 93275-62-8 HCAPLUS
CN Benzamide, N-[[[3-chloro-4-[[[(4-chlorophenyl)propylamino]carbonyl]amino]phenyl]amino]carbonyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



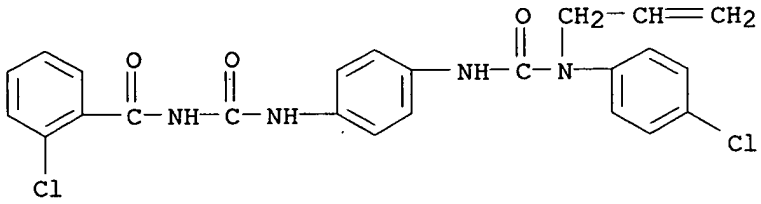
RN 93275-63-9 HCAPLUS
CN Benzamide, 2-chloro-N-[[[4-[[[(4-chlorophenyl)propylamino]carbonyl]amino]-3-methylphenyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



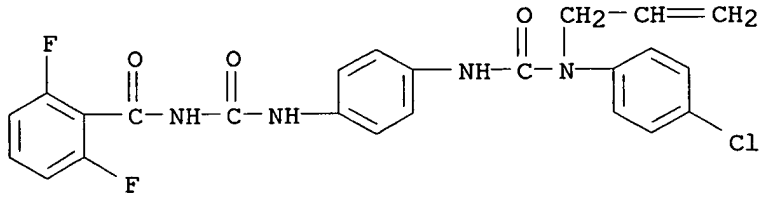
RN 93275-64-0 HCAPLUS
CN Benzamide, N-[[[4-[[[(4-chlorophenyl)propylamino]carbonyl]amino]-3-methylphenyl]amino]carbonyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



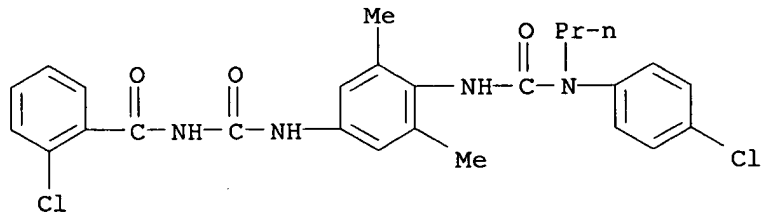
RN 93275-65-1 HCAPLUS
CN Benzamide, 2-chloro-N-[[[4-[[[(4-chlorophenyl)-2-propenylamino]carbonyl]amino]phenyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



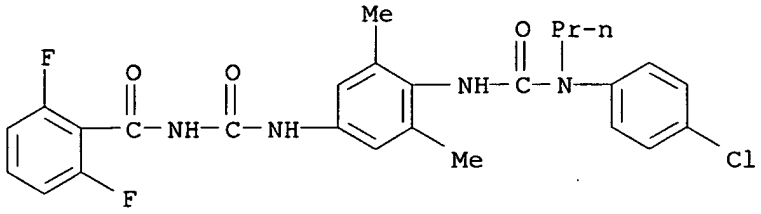
RN 93275-66-2 HCAPLUS
CN Benzamide, N-[[[4-[[[(4-chlorophenyl)-2-propenylamino]carbonyl]amino]phenyl]amino]carbonyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



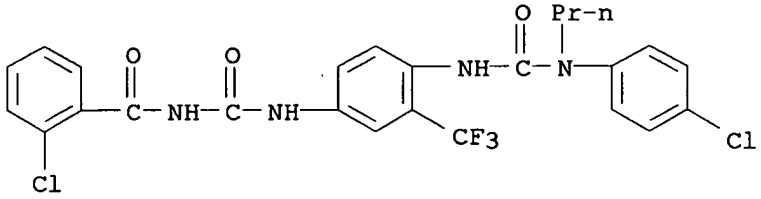
RN 93275-71-9 HCAPLUS
CN Benzamide, 2-chloro-N-[[[4-[[[(4-chlorophenyl)propylamino]carbonyl]amino]-3,5-dimethylphenyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



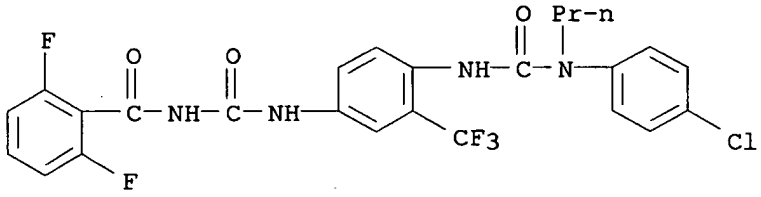
RN 93275-72-0 HCAPLUS
CN Benzamide, N-[[[4-[[[(4-chlorophenyl)propylamino]carbonyl]amino]-3,5-dimethylphenyl]amino]carbonyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



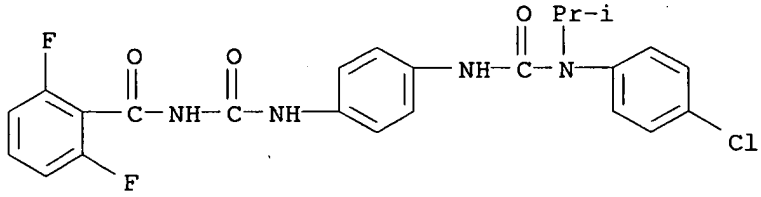
RN 93275-73-1 HCAPLUS
CN Benzamide, 2-chloro-N-[[[4-[[[(4-chlorophenyl)propylamino]carbonyl]amino]-3-(trifluoromethyl)phenyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



RN 93275-74-2 HCAPLUS
CN Benzamide, N-[[[4-[[[(4-chlorophenyl)propylamino]carbonyl]amino]-3-(trifluoromethyl)phenyl]amino]carbonyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



RN 93442-91-2 HCAPLUS
CN Benzamide, N-[[[4-[[[(4-chlorophenyl)(1-methylethyl)amino]carbonyl]amino]phenyl]amino]carbonyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



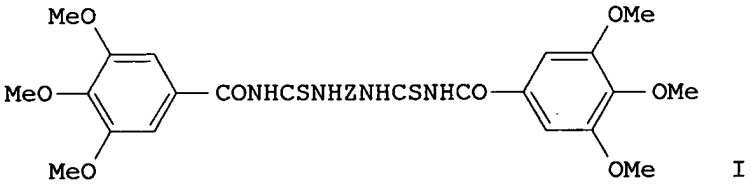
L8 ANSWER 13 OF 22 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 1983:487771 HCAPLUS
DN 99:87771
TI Studies on the alkoxybenzoic acid series. V. 3,4,5-Trimethoxybenzoyl

thioureides

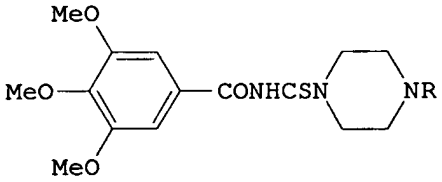
AU Missir, A.; Zolta, V.; Soare, Jana; Chirita, Ileana; Petrea, I.; Stan, A.
CS Lab. Chim. Farm., Fac. Farm., Bucharest, Rom.

SO Farmacia (Bucharest, Romania) (**1982**), 30(4), 225-30
CODEN: FRMBAZ; ISSN: 0014-8237
DT Journal
LA Romanian
OS CASREACT 99:87771

GI



I

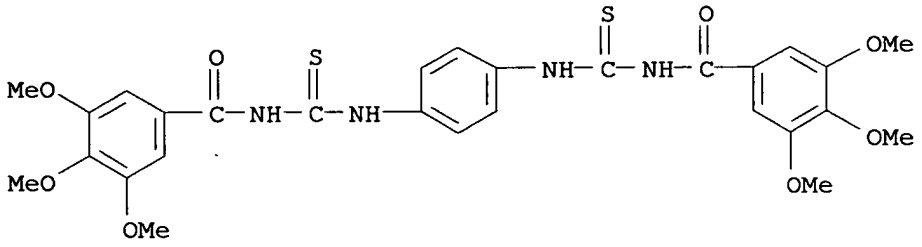


II

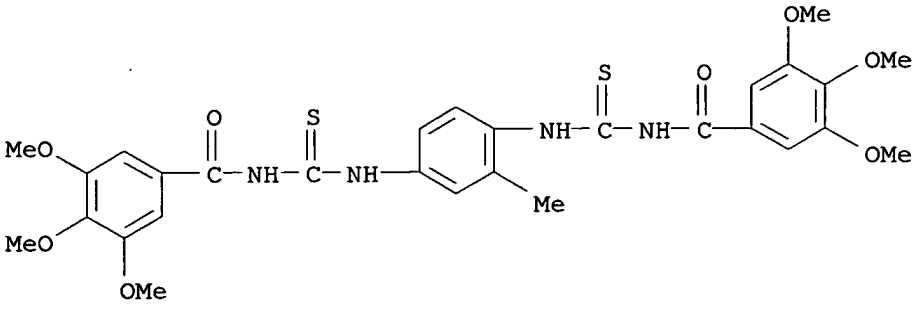
AB Bis-thioureas I [Z = phenylene, methylphenylene, (CH2)n (n = 2,3,4,5,6)] and benzoylthioureas II [R = 3,4,5-(MeO)3C6H2CONHCS, Ph] were prepared Thus, 3,4,5-(MeO)3C6H2COCl was treated with NH4SCN in Me2CO, the mixture was heated, o-phenylenediamine in Me2CO was added, and the mixture was refluxed to give I (Z = o-phenylene).

IT **82925-65-3P 82934-52-9P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

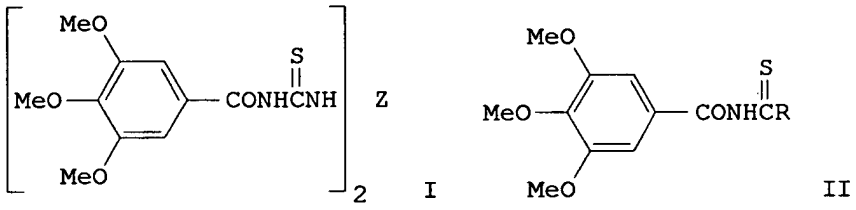
RN 82925-65-3 HCAPLUS
CN Benzamide, N,N'-[1,4-phenylenebis(iminocarbonothioyl)]bis[3,4,5-trimethoxy- (9CI) (CA INDEX NAME)



RN 82934-52-9 HCAPLUS
CN Benzamide, N,N'-[(2-methyl-1,4-phenylene)bis(iminocarbonothioyl)]bis[3,4,5-trimethoxy- (9CI) (CA INDEX NAME)

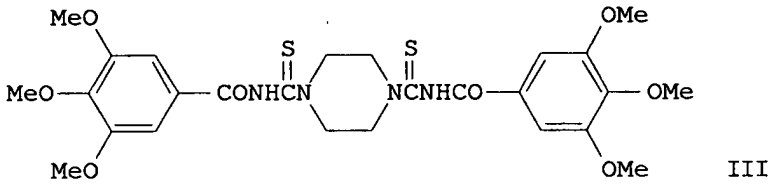


L8 ANSWER 14 OF 22 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 1982:555973 HCAPLUS
DN 97:155973
TI Pharmacodynamic study of some new 3,4,5-trimethoxybenzoic acid thioureides. Part VI
AU Cristea, Elena; Missir, A.; Chirita, Ileana; Dan, G.; Georgescu, C.
CS Discip. Farmacodin., Fac. Farm., Bucharest, Rom.
SO Farmacia (Bucharest, Romania) (**1982**), 30(1), 41-8
CODEN: FRMBAZ; ISSN: 0014-8237
DT Journal
LA Romanian
GI



I

II

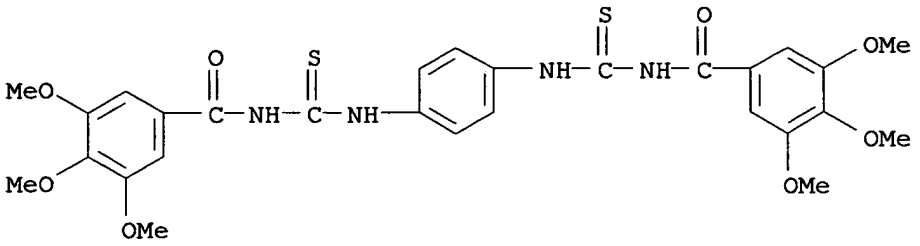


III

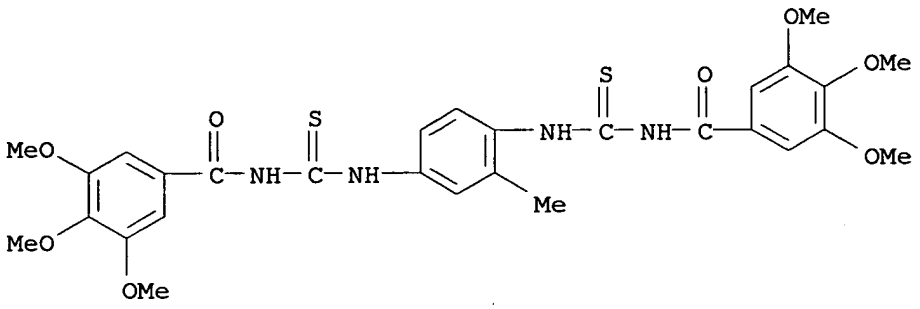
AB The pharmacol. of 11 title compds. [I(Z = (CH2)n, n = 2-6, etc.); II (R = 4-Ph-piperazin-1-yl or 2,6-Br2C6H3NH) and III [82925-64-2]] was studied. Among the central nervous system depressing substance were I (Z = p-C6H4) [**82925-65-3**], I [Z = (CH2)3] [82925-66-4], I [Z = (CH2)5] [82925-67-5], II (R = 4-Ph-piperazin-1-yl, and III. Compds. blocking intestinal motility included I (Z = o-C6H4) [82925-69-7], I (Z = p-C6H4), I [Z = (CH2)4] [82925-70-0], and I (Z = 2-Me-1,4-C6H3. The compds. had anticholesteremic and antihyperglycemic activities. None of the compds. had greater activity than compds. of the same class previously tested.
IT **82925-65-3 82934-52-9**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological

study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(pharmacol. of)

RN 82925-65-3 HCAPLUS
CN Benzamide, N,N'-[1,4-phenylenebis(iminocarbonothioyl)]bis[3,4,5-trimethoxy- (9CI) (CA INDEX NAME)



RN 82934-52-9 HCAPLUS
CN Benzamide, N,N'-[(2-methyl-1,4-phenylene)bis(iminocarbonothioyl)]bis[3,4,5-trimethoxy- (9CI) (CA INDEX NAME)

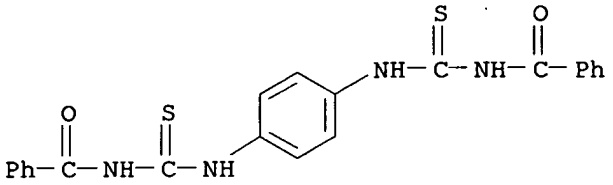


L8 ANSWER 15 OF 22 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 1982:227948 HCAPLUS
DN 96:227948
TI Complexes of p,p'-bis(benzoylthioureido)benzene with copper(II), nickel(II) and cobalt(II) salts and their biological activity
AU Satpathy, K. C.; Mishra, H. P.; Patel, B. N.
CS P. G. Dep. Chem., Sambalpur Univ., Burla, 768 017, India
SO Journal of the Indian Chemical Society (**1982**), 59(1), 40-2
CODEN: JICSAH; ISSN: 0019-4522
DT Journal
LA English
AB MLX2 (M = Cu, Ni, Co; L = BzNHC(S)NHC6H4NHC(S)NHBz-p, X = Cl, Br, NO3, ClO4) were prepared and characterized on the basis of IR spectral, electronic spectra and magnetic susceptibility measurements. IR spectra manifest the coordinates of the ligand to the metal ion through carbonyl O and thiocarbonyl S atoms. The complexes possess octahedral stereochem. as inferred from electronic spectral data and magnetic moment values. Fungicidal screening of the complexes shows them to be antifungal against Aspergellus niger, Fusarium oxysporium and Helminthosporium oryzae.
IT **70110-39-3P**

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation and fungicidal activity of)

RN 70110-39-3 HCAPLUS

CN Benzamide, N,N'-[1,4-phenylenebis(iminocarbonothioyl)]bis- (9CI) (CA INDEX NAME)



L8 ANSWER 16 OF 22 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 1979:187379 HCAPLUS

DN 90:187379

TI Synthesis of polyacylthioureas by polyaddition of isophthaloyldiisothiocyanate with diamines

AU Shimano, Yasuo; Sasaki, Shoichi

CS Dep. Ind. Chem., Hachinohe Tech. Coll., Hachinohe, Japan

SO Kobunshi Ronbunshu (**1979**), 36(2), 81-8
CODEN: KBRBA3; ISSN: 0386-2186

DT Journal

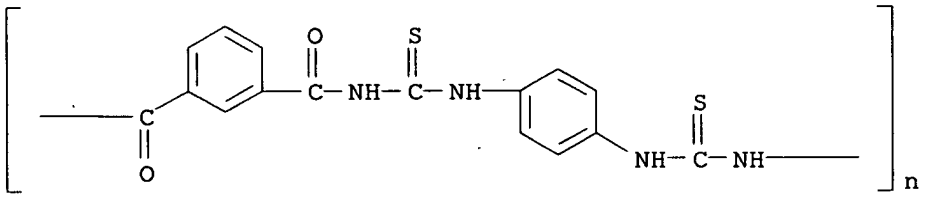
LA Japanese

AB Isophthaloyl diisothiocyanate (I) is polymerized with aromatic diamines in amide solns. to give polymers having reduced viscosity ≤1.39 dL/g (30°, 0.5 g/dL in Me2NAc containing 5% LiCl), or I is polymerized with aliphatic diamines by interfacial methods using aromatic solvents to give polymers having reduced viscosity up to 1.21 dL/g. Interfacial polymerization of I with aromatic diamines and solution polymerization of I in amide solvents with aliphatic diamines does not give high-mol. weight polymers. The poly(acylthioureas) lose 5% weight in N or air at 210-20°.

IT **70113-14-3P 70113-15-4P**
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(preparation and properties of, solvent effect on)

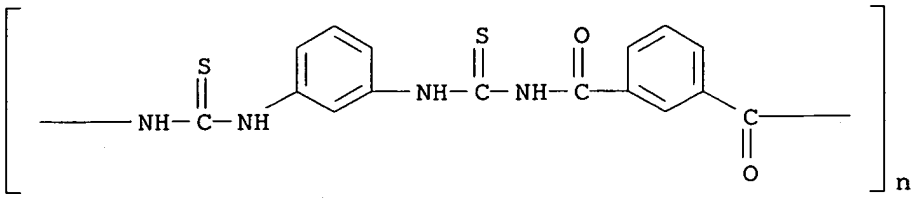
RN 70113-14-3 HCAPLUS

CN Poly(iminocarbonothioylimino-1,4-phenyleneiminocarbonothioyliminocarbonyl-1,3-phenylenecarbonyl) (9CI) (CA INDEX NAME)

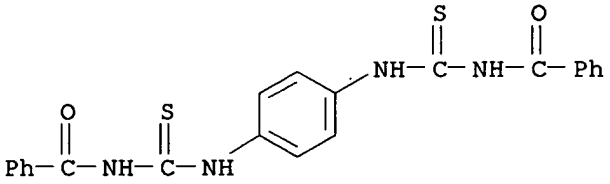


RN 70113-15-4 HCAPLUS

CN Poly(iminocarbonothioylimino-1,3-phenyleneiminocarbonothioyliminocarbonyl-1,3-phenylenecarbonyl) (9CI) (CA INDEX NAME)



IT **70110-39-3P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 70110-39-3 HCAPLUS
CN Benzamide, N,N'-[1,4-phenylenebis(iminocarbonothioyl)]bis- (9CI) (CA INDEX NAME)



L8 ANSWER 17 OF 22 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 1974:437407 HCAPLUS
DN 81:37407
TI 1-(3-Disubstituted phosphonothioureido)-2-(3-substituted ureido- or thioureido)-benzene compounds
IN Weir, William D.
PA Rohm and Haas Co.
SO Ger. Offen., 24 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2346241	A1	19740502	DE 1973-2346241	19730913 <--
	US 3845176	A	19741029	US 1972-298683	19721018 <--
	FR 2306700	A2	19761105	FR 1973-36312	19731011 <--
	FR 2306700	B2	19790126		
	BE 806083	A4	19740416	BE 1973-136693	19731015 <--
	ZA 7307995	A	19741127	ZA 1973-7995	19731015 <--
	DD 109223	W	19741020	DD 1973-174091	19731016 <--
	AU 7361459	A1	19750417	AU 1973-61459	19731016 <--
	JP 54007787	B4	19790410	JP 1973-116249	19731016 <--
	SE 415355	B	19800929	SE 1973-14069	19731016 <--
	SE 415355	C	19810122		
	GB 1444103	A	19760728	GB 1973-48353	19731017 <--
	HU 172069	P	19780528	HU 1973-RO754	19731017 <--
	NL 7314380	A	19740422	NL 1973-14380	19731018 <--

	AT 7308868	A	19760315	AT 1973-8868	19731018 <--
	AT 333305	B	19761110		
	ES 419749	A1	19760316	ES 1973-419749	19731018 <--
	PL 101308	P	19781230	PL 1973-165936	19731018 <--
	IL 43491	A1	19780310	IL 1973-43491	19731026 <--
	IN 139438	A	19760619	IN 1974-CA403	19740226 <--
PRAI	US 1972-298683	A	19721018		
	BE 1973-800041	A	19730525		

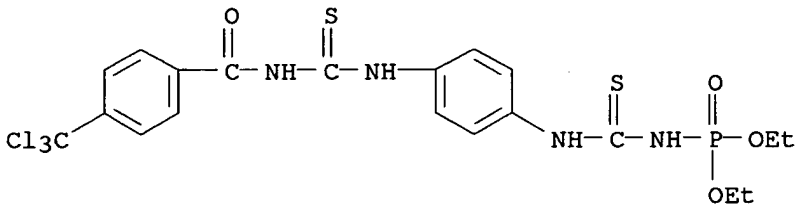
GI For diagram(s), see printed CA Issue.

AB The urea derivs. I (R = Et, Me2CH, ClCH2CH2; R1 = H, Cl; R2 = e.g., 4-MeC6H4SO2, BuSO2, Ac, Bz; Z = O, S) were prepared in one reaction vessel by the reaction of ClP(O)(OR)2 with a thiocyanate to give SCNP(O)(OR)2, which reacted with 3,4-(H2N)2C6H3R, then with R2NCS or R2NCO to give I. Thus, ClP(O)(OEt)2 reacted with KSCN in MeOCH2CH2OMe, followed by addition of o-C6H4(NH2)2, then 4-MeC6H4SO2NCS to give I (R = Et, R1 = H, R2 = 4-MeC6H4SO2, Z = S). Twenty-two I were prepared

IT **52867-32-0P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 52867-32-0 HCAPLUS

CN Phosphoramidic acid, [thioxo[[4-[[thioxo[[4-(trichloromethyl)benzoyl]amino]methyl]amino]phenyl]amino]methyl]-, diethyl ester (9CI) (CA INDEX NAME)



L8 ANSWER 18 OF 22 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 1971:449011 HCAPLUS

DN 75:49011

TI New iodinated organic compounds. Iodinated derivatives of 1,2-dihydro-4H-3,1-benzoxazine-2,4-dione and 2,4(1H, 3H)-quinazolinedione

AU Covello, Mario; Dini, Antonio; De Simone, Francesco

CS Ist. Chim. Farm. Tossicol., Univ. Napoli, Naples, Italy

SO Rendiconto dell'Accademia delle Scienze Fisiche e Matematiche, Naples (**1969**), 36, 61-6
CODEN: RASFAM; ISSN: 0370-3568

DT Journal

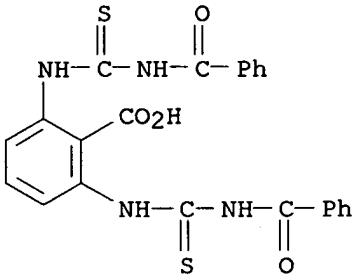
LA Italian

GI For diagram(s), see printed CA Issue.

AB The known 6,2-I(H2N)C6H3CO2H (I) refluxed 20 hr in ClCO2Et yielded 63% 5-iodo-2H-3,1-benzoxazine-2,4-(1H)-dione (II) (R = H, R1 = 5-I), m. 173.5° (MeOH-C6H6), converted by refluxing 2 hr in concentrated NH4OH to 39% 5-iodo-2,4-(1H,3H)-quinazolinedione (III) (R = H, R1 = 5-I), m. 340°, also produced by heating I 30 min at 170-80° with urea. NH4SCN refluxed in Me2CO with addition of BzCl and the mixture treated with I in Me2CO, refluxed and the cooled solution poured into cold H2O gave 6,2-I(BzNHCSNH)C6H3CO2H (IV), m. 171-3°, converted by refluxing in N NaOH and acidification to 5-iodo-2-thio-2,4(1H,3H)-quinazolinedione (V) (R = H, R1 = 5-I), m. 324-6° (decomposition). The known 3,5,2-ICl(NH2)C6H2CO2H was similarly transformed to give 46% II (R = 6-Cl,

R1 = 8-I), m. 176-8°; 62% III (R = 6-Cl, R1 = 8-I), m. 310° (decomposition), 47% 3,5,2-ICl(BzNHCSNH)C6H2CO2H, m. 181-3°, and 80% V (R = 6-Cl, R1 = 8-I), m. 320-2° (decomposition). Analogous procedures converted 3,5,2-IBr(H2N)C6H2CO2H into 88% II (R = 6-Br, R1 = 8-I), m. 155-7°; 43% III (R = 6-Br, R1 = 8-I), m. 314-16°; 71% acid 3,5,2-IBr(BzNHCSNH)C6H2CO2H, m. 172-4°; and 84% V (R = 6-Br, R1 = 8-I), m. 303-5° (decomposition).

IT **33115-22-9P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 33115-22-9 HCAPLUS
CN Benzoic acid, 2,6-bis(3-benzoyl-2-thioureido)- (8CI) (CA INDEX NAME)



L8 ANSWER 19 OF 22 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 1966:84555 HCAPLUS
DN 64:84555
OREF 64:15870g-h,15871a-h,15872a-b
TI Thioacyl isocyanates. III. Synthesis and properties of N-thiobenzoylureas
AU Goerdeler, Joachim; Schenk, Hainfried
CS Univ. Bonn, Germany
SO Chemische Berichte (**1966**), 99(3), 782-92
CODEN: CHBEAM; ISSN: 0009-2940
DT Journal
LA German
OS CASREACT 64:84555
GI For diagram(s), see printed CA Issue.
AB cf. CA 64, 5083d. Primary and secondary amines were added to PhCSNCO (I) to yield the corresponding PhCSNHCONRR' (II). PhCSNHCONH2 (III) was obtained by the selective saponification of II (R = Bz, R' = H) (IV). The adducts from hydrazines and amidines to I showed a strong tendency for cyclization. 2-Phenylthiazolidine-4,5-dione (V) (5 g.) in 30 cc. dry methylcyclohexane decomposed thermally by the method described previously gave a solution of I; except where noted otherwise, this solution from 5 g. V was used in all runs with I as the starting material. I treated dropwise with 1.2 g. absolute EtOH yielded 3 g. deep yellow PhCSNHCO2Et, 63° (decomposition) (AcOEt-ligroine). I with 1.92 g. BuNH2 in 5 cc. dry Et2O gave after chromatography on silica gel 0.7 g. PhCN, 1.5 g. PhCSNH2, 0.28 g. II (R = Bu, R' = H), m. 92° (1:15 CH2Cl2-methylcyclohexane), and 2 g. brown, odoriferous oil. I with 2.23 g. piperidine in 25 cc. dry methylcyclohexane stirred 15 min. gave 4.5 g. yellow-orange II [(RR' = (CH2)5] (VI), m. 130° (decomposition) (aqueous EtOH). VI (0.248 g.) in 30 cc. MeOH treated at room temperature with 20 cc. 0.1N AgNO3 gave 0.165 g.

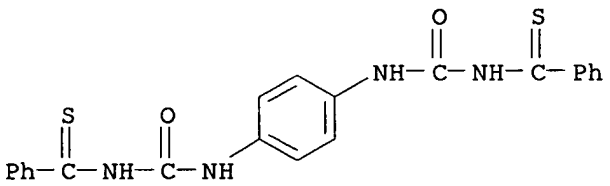
N,N-pentamethylene-N'-benzoylurea, m. 172° (decomposition) (dioxane-ligroine). I and 10 cc. Et2O treated with 2.6 g. cyclohexylamine in 20 cc. Et2O gave 2.9 g. II (R = cyclohexyl, R' = H) (VII), m. 150° (1:2 C6H6-petroleum ether). I with 2.45 g. PhNH2 in 10 cc. dry Et2O stirred 10 min. at room temperature gave 3.0 g. sulfur yellow II (R = Ph, R'= H) (VIII), m. 214° (decomposition) (EtOH). VIII refluxed 0.5 hr. with 0.1N AgNO3-MeOH yielded 88% PhNHCONHBz. 2,3,6-Triphenyl-2H-1,3,5-thiadiazin-4-one (3.44 g.) in 50 cc. dioxane and 1 cc. H2O refluxed 5 min. gave 2.42 g. yellow VIII, m. 216° (decomposition). I (from 3.82 g. V) treated at 0° with 10 cc. dry AcOEt and then slowly with 3.38 g. Ph2NH in 10 cc. dry Me2CO and stirred 0.5 hr. at 0° yielded 30% PhCSNHCONPh2 (IX), m. 137° (decomposition) (petroleum ether). IX (0.332 g.) and 0.138 g. o-O2NC6H4NH2 in 7 cc. dry C6H6 heated 5 min. at 40° and kept at room temperature overnight yielded 0.19 g. II (R = o-O2NC6H4, R' = H) (X). I with 3.23 g. p-MeOC6H4NH2 in 30 cc. dry Me2CO yielded 4.84 g. bright yellow II (R = p-MeOC6H4, R' = H) (XI), m. 179° (decomposition). XI decomposed at about 200° with gas evolution and formation of a colorless solid, m. 230°. XI (1 g.), 0.007 mole Et3N, and 25 cc. dry AcOEt treated with stirring at about 10° with 0.56 g. Br in 25 cc. dry AcOEt gave 0.5 g. light yellow XII (R = p-MeOC6H4), m. 155° (AcOEt). I with 3.62 g. o-O2NC6H4NH2 in 15 cc. dry Me2CO yielded 3.15 g. light brown-yellow X, m. 215° (decomposition) (C6H6). I and 4.6 g. 2,4-(O2N)2C6H3NH2 refluxed 1 hr. in 30 cc. dry Me2CO and stirred 20 min. yielded 0.9 g. II [R = 2,4-(O2N)2C6H3, R' = H], m. 225° (decomposition) (200:25 dioxane-H2O). I from 0.95 g. V treated dropwise with 0.59 g. p-H2NC6H4CN in 10 cc. absolute Me2CO and stirred 10 min. yielded 0.68 g. deep yellow II (R = p-NCC6H4, R' = H), m. 252° (decomposition) (PHCl). I from 1.91 g. V with 1.52 g. o-H2NC6H4CSNH2 in 10 cc. dry Me2CO gave 2.25 g. II (R = o-H2NCSC6H4, R' = H) (XIII), m. 198° (decomposition with formation of light yellow and red crystals). I from 1.9 g. V stirred 15 min. with 0.54 g. p-C6H4(NH2)2 in 10 cc. dry tetrahydrofuran yielded 1.05 g. yellow p-PhCSNHCONHC6H4NHCONHCSPh, decompose above 223° with the evolution of gas but without melting. I and 2.47 g. 2-aminopyridine in 15 cc. dry Me2CO stirred 15 min. gave 3.1 g. yellow II (R = 2-pridyl, R' = H), m 199° (decomposition)(AcOEt), which refluxed 4 hrs. with aqueous dioxane. gave a S-free solid, m. 211° (decomposition). I with 2.5 g. 2-aminopyrimidine in 30 cc. dry Me2CO gave similarly 4.5 g. pink II (R = 2-pyrimidinyl, R' = H), m. 238° (decomposition) (HCONMe2). I with 4.65 g. 5-amino-3-phenyl-1,2,4-thiadiazole in 30 cc. dry Me2CO stirred 15 min. gave 5.2 g. yellow II (R = 3-phenyl-1,2,4-thiadiazol-5-yl, R' = H), m. 252° (decomposition) (HCONMe2-tetrahydrofuran), which repptd. from AcNMe2 with petroleum ether gave orange prisms which change above 80° to the yellow form. I with 3.2 g. BzNH2 and 20 cc. dry Me2CO gave 1.3 g. IV, pink needles from C6H6, violet needles from Me2CO, m. 220° (decomposition). PhCSNH2 (46 g.) in 400 cc. dry C6H6 refluxed 3 hrs. with 49 g. BzNCO yielded 80 g. IV. 2,6-Diphenyl-1,3,5-thiadiazin-4-one (0.266 g.) in 5 cc. Me2CO heated briefly to 40° with a few drops H2O and 1 drop 2N HCl and kept 0.5 hr. at room temperature gave 0.27 g. IV. I and 3.6 g. BzNHNH2 in 25 cc. Me2CO yielded 2.6 g. yellow II (R = BzNH, R' = H) (XIV), m. 226° (decomposition) (C6H6). I from 2.5 g. V stirred 0.5 hr. with 1.57 g. PhCH:NNH2 in 10 cc. dry Me2CO yielded 0.82 g. light yellow II (R = PhCH:N, R' = H), m. 175° (decomposition). V (5 g.) and 4.0 g. H2NCH2CO2Et.HCl refluxed in methylcyclohexane gave 2.5 g. yellow PhCSNHCONHCH2CO2Et (XV), m. 138° (decomposition) (MeOH). XV (1 g.) and 10 cc. 4N NaOH heated about 10 min. at 40° and neutralized gave 0.85 g. light yellow PhCSNHCONHCH2CO2H, m. 258° with foaming (aqueous MeOH); it crystallized from aqueous MeOH with 0.5 mole H2O. I from 2.5 g. V

with 0.66 g. N2H4.H2O in 15 cc. dry tetrahydrofuran yielded 1.2 g. yellowish XVI (R = R' = H) (XVII), m. 321° (aqueous EtOH). XIV (0.3 g.) and 1 drop Me2CO in 5 cc. 4N NaOH refluxed 10 min. and neutralized gave 0.15 g. XVII, m. 320-4°. I with 2.9 g. PhNHNH2 in 5 cc. dry Et2O at -20° gave 2.23 g. yellow precipitate which heated in AcOH gave with the elimination of H2S a mixture of XVI (R = Ph, R' = H) (XVIII) and XVI (R = H, R' = Ph) (XXIX) which fractionally recrystd. from aqueous AcOH gave 1.66 g. XIX, m. 235°, and 0.1-0.2 g. XVIII, m. 278° (partial decomposition). I from 1.91 g. V in 20 cc. methylcyclohexane refluxed 15 min. with 1.84 g. (PhNH)2 in 10 cc. absolute tetrahydrofuran gave 0.86 g. XVI (R = R' = Ph), m. 242° (decomposition) (EtOH). I with 3.2 g. PhC(:NH)NH2 in 20 cc. dry Me2CO refluxed 5 min. yielded 2.1 g. PhC(:NH)N:CPhNHCONHC(:NH)Ph (XX), m. 240-4° (decomposition) (AcNMe2-AcOEt). XX (about 0.5 g.) fused gave with the evolution of PhCN and NH3 2,6-diphenyl-3,4-dihydro-1,3,5-triazin-4-one, m. 289° (C6H6N). I in 25 cc. methylcyclohexane with 5 g. PhC(:NH).NHPh in 20 cc. dry dioxane gave 2.4 g. 1,2,6-triphenyl-1,4-dihydro-1,3,5-triazin-4-one, m. 284° (decomposition) (tetrahydrofuran) with the formation of a solid, m. 232° with sublimation. XIII (0.78 g.) in 4 cc. dry Me2CO and 0.32 g. (COCl)2 in 10 cc. dry Me2CO gave at about 70° 0.63 g. red XXI, m. 163° (decomposition). IV (56.8 g.) in 100 cc. Me2CO and 2 l. 2N NaOH shaken 14 hrs. at room temperature and neutralized with AcOH yielded 30-1 g. lemon yellow III, m. 190° (decomposition) (AcOEt-ligroine). III (1.8 g.) in 10 cc. 2N NaOH treated gradually with 1.3 cc. 30% H2O2 gave XII (R = H), m. 204° (MeOH); it gives a blood red color with FeCl3-MeOH).

IT **5378-02-9**, Urea, 1,1'-p-phenylenebis[3-(thiobenzoyl)- (preparation of)

RN 5378-02-9 HCAPLUS

CN Urea, 1,1'-p-phenylenebis[3-(thiobenzoyl)- (7CI, 8CI) (CA INDEX NAME)



L8 ANSWER 20 OF 22 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 1966:36325 HCAPLUS

DN 64:36325

OREF 64:6778b-d

TI Acylisothiocyanates. VI. Reactions of bis(acyl isothiocyanates) with diamines

AU Li, Yung-Hsien; Chen, Yao-Tsu

CS Ind. Coll., Kansu, Peop. Rep. China

SO Gaofenzi Tongxun (**1964**), 6(3), 206-12
CODEN: KFTTAR; ISSN: 0453-2880

DT Journal

LA Chinese

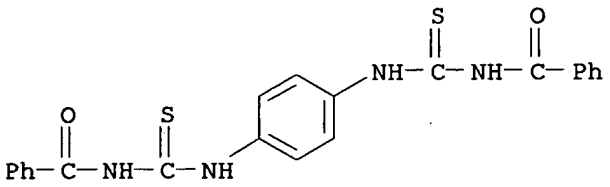
AB cf. Sci. Sinica (Peking) 12, 143(1963); CA 52, 19993b. Bis(acyl isothiocyanates) reacted readily with diamines to form linear polymers of acylthioureas with the structure [R'NHCSNHCORCONHCSNH]n. Ten such poly(acylthioureas) were synthesized by the reactions of adipic, azelaic, and terephthalic diisothiocyanates with hydrazine, ethylenediamine, H2N(CH2)6NH, p-phenylenediamine, and benzidine. The structure of the

polymers obtained was confirmed by elementary analysis, degradation examination, and uv and ir spectroscopy. These polymers were colored (yellow to orange) powders, sparingly soluble in common organic solvents, but readily soluble in HCONMe2 and cold concentrated H2SO4. The x-ray diffraction patterns showed that these polymers possessed fair crystallinity. The softening points of the polymers decreased with increasing length of the aliphatic C chain and increased when benzene nuclei were introduced into the chain. Four of these polymers had softening points >300°.

IT **70110-39-3**, Urea, 1,1'-p-phenylenebis[3-benzoyl-2-thio- (preparation of)

RN 70110-39-3 HCAPLUS

CN Benzamide, N,N'-[1,4-phenylenebis(iminocarbonothioyl)]bis- (9CI) (CA INDEX NAME)



L8 ANSWER 21 OF 22 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 1964:68587 HCAPLUS

DN 60:68587

OREF 60:12118e-g

TI Poly(acylthioureas)

AU Chen, Yao-Tsu; Li, Yung-Hsien

CS Univ. Lanchow, Peop. Rep. China

SO Kexue Tongbao (Chinese Edition) (**1963**), (10), 50-2
CODEN: KHTPAT; ISSN: 0023-074X

DT Journal

LA Unavailable

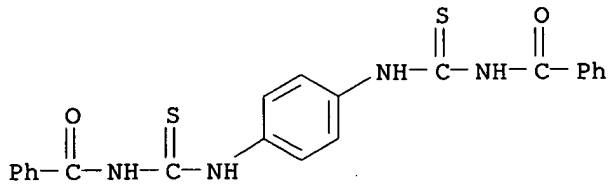
AB Diisothiocyanates of formula R(CONCS)2 (from diacyl chlorides and 2 moles NH4CNS) can add 2 moles of a primary amine, R'NH2, to form bis(acylthioureas), (R'NHCSNHCO)2R. For R' = Ph and R given, the m.ps. are: (CH2)4, 192-3°; p-C6H4 (I), 290°. If RCONCS (from RCOCl and 1 mole NH4CNS) was treated with diamines, R'(NH2)2, bis(acylthio-ureas) of type (RCONHCSNH)2R' were formed; e.g. for R =Ph and R' given, the m.ps. are: (CH2)6, 177-8°; p-C6H4, 237-8°. By hydrolysis with 10% NaOH, 80-90% of the original carboxylic acid and thiourea were recovered and identified by mixed-m.p. determination By keeping bis(acyl isothiocyanates) (3 kinds) and diamines (5 kinds) for 12 hrs. in anhydrous Me2CO, 10 poly(acyl-thioureas) were obtained containing the fundamental unit R'NH-CSNHCORCONHCSNH (R, R', m.p., and reduced viscosity at 30 ± 1° in 0.5 g./ml. concentrated H2SO4 given): (CH2)4, (CH2)2, 185° (decompose), 0.10; (CH2)4, (CH2)6, 180° (decompose), 0.18 (infrared absorption bands at 5.58-6.1, 6.3-6.65, 7.8-8.0, 8.6, and 13.58 μ); (CH2)7, (CH2), 125-9°, 0.10; (CH2)4, p-C6H4, m. >300°, 0, 20 (infrared absorption bands at 2-15 μ; ultra-violet absorption similar to that of I); (CH2)7, p-C6H4, 150-3°, 0.16; p-C6H4, -, m. >300°, 0.069; p-C6H4, (CH2)2, 210° (de-comp.), 0.12; p-C6H4, (CH2)6, 120-5°, 0.12; p-C6H4, p-C6H4, m.>300°, 0.11; and p-C6H4, p-C6H4C6H4, m.>300°, 0.13. The x-ray diagrams for most of the polymers indicate a crystalline state of linear order. The polymers are yellow or orange powders, insol. in most organic solvents, but

readily soluble in HCONMe2 or concentrated H2SO4. Introduction of a benzene ring raises the softening point. The dielec. constant ranges from 1010 to 1011 ohm-cm.

IT **70110-39-3**, Urea, 1,1'-p-phenylenebis[3-benzoyl-2-thio- (preparation of)

RN 70110-39-3 HCAPLUS

CN Benzamide, N,N'-[1,4-phenylenebis(iminocarbonothioyl)]bis- (9CI) (CA INDEX NAME)



L8 ANSWER 22 OF 22 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 1961:111847 HCAPLUS

DN 55:111847

OREF 55:21006d-f

TI Mono- and diisocyanates of p-cymene

AU Adellac, F.; Lora-Tamayo, M.; Soto, J. L.

CS Univ. Madrid

SO Anales real soc. espan. fis. y quim. (Madrid) (**1960**), 56B, 985-94

DT Journal

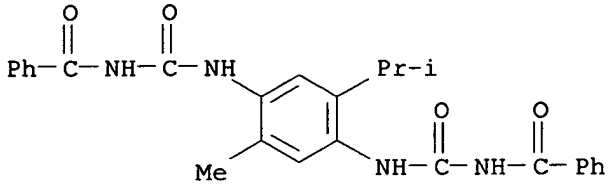
LA Unavailable

AB The reaction of phosgene with the appropriate amines was used to prepare the following isocyanates of cymene (substituents, b.p./mm., m.p., nD (t), and % yield given): 2-OCN, 76-7°/1, -, 1.5205 (22°), 70; 3-NCO, 76-7°/1, -, 1.5190 (22°), 60; 6-NO2, 2-NCO, 120-3°/1, 75°, 1.5425 (55°), 50; 2,6-(NCO)2 123-6°/2, 52-3°, 1.5517 (55°), 89; 2,5(NCO)2, 125-6°/2, 46-7°, 1.5394 (55°), 65; 3,5-(NCO)2, 110-12°/2, -, -, 81. The p-tolyl-, benzoyl-, phenylureas, and some of the methyl- and ethylurethans were prepared 2,3-Diamino-p-cymene (15 g.) in 300 ml. o-Cl2C6H4 treated with COCl2 several hrs., the mixture distilled, and cooled yielded 2-hydroxy-4-methyl-7-isopropylbenzimidazole, m. 260-1°, which with PCl5 yielded the 2-Cl derivative, m. 237-8°.

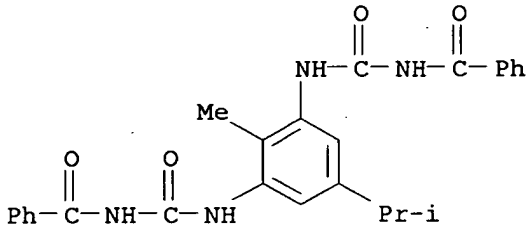
IT **124143-33-5**, Urea, 1,1'-[2-isopropyl-5-methyl-p-phenylene]bis[3-benzoyl- **124143-34-6**, Urea, 1,1'-(5-isopropyl-2-methyl-m-phenylene)bis[3-benzoyl- **124514-32-5**, Urea, 1,1'-[2-isopropyl-5-methyl-m-phenylene]bis[3-benzoyl- (preparation of)

RN 124143-33-5 HCAPLUS

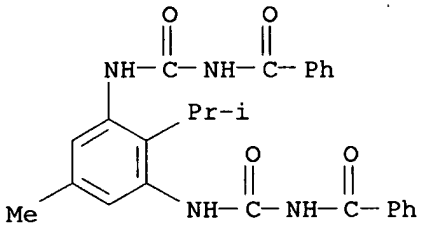
CN Urea, 1,1'-(2-isopropyl-5-methyl-p-phenylene)bis[3-benzoyl- (6CI) (CA INDEX NAME)



RN 124143-34-6 HCAPLUS
CN Urea, 1,1'-(5-isopropyl-2-methyl-m-phenylene)bis[3-benzoyl- (6CI) (CA INDEX NAME)



RN 124514-32-5 HCAPLUS
CN Urea, 1,1'-(2-isopropyl-5-methyl-m-phenylene)bis[3-benzoyl- (6CI) (CA INDEX NAME)



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L2 STRUCTURE UPLOADED
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L4 344 S L1 FULL
L5 0 S L2 SAM
L6 31 S L2 FULL

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L7 24 S L4
L8 22 S L7 AND PD<AUGUST 2002

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L9            2 L7 NOT L8

=> dis 1-2 bib abs

L9   ANSWER 1 OF 2  HCAPLUS  COPYRIGHT 2005 ACS on STN
AN   2004:60456  HCAPLUS
DN   140:128158
TI   Preparation of N-[(phenylamino)carbonyl]benzamides as
     glycogenphosphorylase-A inhibitors for the treatment of diabetes
IN   Defossa, Elisabeth; Kadereit, Dieter; Klabunde, Thomas; Burger,
     Hans-Joerg; Herling, Andreas; Wendt, Karl-Ulrich; Von Roedern, Erich;
     Schoenafinger, Karl
PA   Aventis Pharma Deutschland GmbH, Germany
SO   PCT Int. Appl., 75 pp.
     CODEN: PIXXD2
DT   Patent
LA   German
FAN.CNT 1
     PATENT NO.           KIND   DATE        APPLICATION NO.          DATE
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PI   WO 2004007437         A1    20040122    WO 2003-EP6934           20030630
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             GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
             LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
             PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ,
             UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW
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             BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
     US 2004087659          A1    20040506    US 2003-616959           20030711
PRAI DE 2002-10231371       A     20020711
     US 2002-425600P        P     20021112
OS   MARPAT 140:128158
GI
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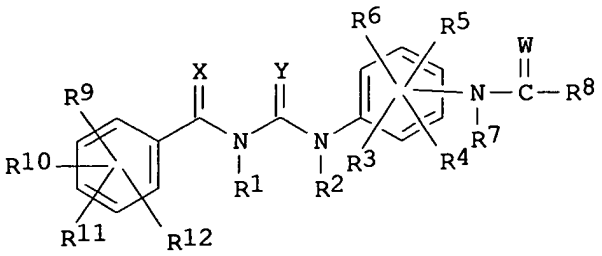

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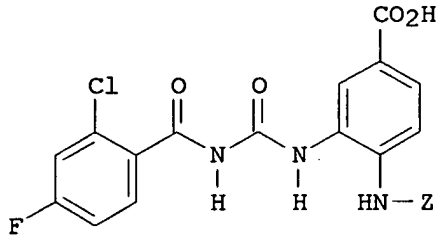

II

AB Title compds. I [W, X, Y = O, S; R9, R10, R11, R12 = H, halo, OH, etc.; R1, R2 = H, (un)substituted alkyl; R3, R4, R5, R6 = H, halo, OH, etc.; R7 = H, (un)substituted alkyl, e.g., OR13, NR14R15, etc.; R8 = NR18R19, OR20; R13 = H, alkyl, alkenyl, etc.; R14, R15 = H, (un)substituted alkyl; R18, R19 = H, alkyl, alkenyl, etc.; R20 = alkyl, alkenyl, alkynyl, etc.] and their pharmaceutically acceptable salts were prepared For example, condensation of benzamine II (Z= H), e.g., prepared from 2-chloro-4-fluorobenzamide in 2-steps, and carbonochloridic acid Me ester afforded benzamide II (Z = COMe) in 55% yield. In glycogenphosphorylase-A (GPa) inhibition assays, 23-examples of compds. I, at 10 μM, exhibited 48-100% inhibition of GPa activity, e.g., benzamide II (Z = COMe) displayed 53% enzyme inhibition. Compds. I were claimed useful as antidiabetic agents.

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 2003:790618 HCAPLUS
DN 140:339042
TI Synthesis and activities of aroyl(aryloxyacetyl) aryldithiourea derivatives as plant growth regulators
AU Wu, Wei-lin; Ye, Wen-fa; Du, Zi-xiu; Wang, Yan-gang
CS Huaihua Medical College, Huaihua, 418000, Peop. Rep. China
SO Hecheng Huaxue (2003), 11(4), 310-314
CODEN: HEHUE2; ISSN: 1005-1511
PB Hecheng Huaxue Bianjibu
DT Journal
LA Chinese
OS GASREACT 140:339042
AB By the use of solid-liquid phase transfer catalyst, 15 title compds. with diacylthiourea structure were synthesized from substituted aryloxyacetic acid or aromatic acid and aromatic diamine. For example, reaction of 3-MeC6H4CONCS, prepared from 3-methylbenzoic acid, with p-phenylenediamine gave 83% N,N'-[1,4-phenylenebis(iminocarbonothioyl)]bis[3-methylbenzamide]. The test of their biol. activities shows that most compds. have good plant growth regulating activities and a few of them are more active than indoleacetic acid.

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=> s l6
L10          4 L6

=> s l10  and pd<august 2002
      22428505 PD<AUGUST 2002
                  (PD<20020800)
L11          3 L10 AND PD<AUGUST 2002

=> s l10 not l11
L12          1 L10 NOT L11

=> dis l12 bib abs

L12  ANSWER 1 OF 1  HCAPLUS  COPYRIGHT 2005 ACS on STN
AN   2004:60456  HCAPLUS
DN   140:128158
TI   Preparation of N-[(phenylamino)carbonyl]benzamides as
     glycogenphosphorylase-A inhibitors for the treatment of diabetes
IN   Defossa, Elisabeth; Kadereit, Dieter; Klabunde, Thomas; Burger,
     Hans-Joerg; Herling, Andreas; Wendt, Karl-Ulrich; Von Roedern, Erich;
     Schoenafinger, Karl
PA   Aventis Pharma Deutschland GmbH, Germany
SO   PCT Int. Appl., 75 pp.
     CODEN: PIXXD2
DT   Patent
LA   German
FAN.CNT 1
     PATENT NO.           KIND   DATE        APPLICATION NO.          DATE
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PI   WO 2004007437         A1    20040122    WO 2003-EP6934           20030630
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             GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
             LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
             PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ,
             UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
             KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
             FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,
             BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
     US 2004087659         A1    20040506    US 2003-616959           20030711
PRAI DE 2002-10231371      A     20020711
     US 2002-425600P       P     20021112
OS   MARPAT 140:128158
GI
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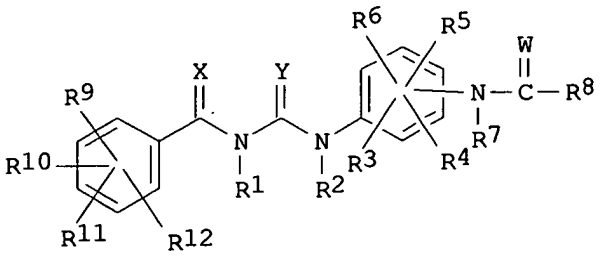

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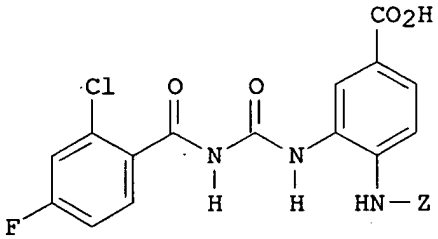

II

AB Title compds. I [W, X, Y = O, S; R9, R10, R11, R12 = H, halo, OH, etc.; R1, R2 = H, (un)substituted alkyl; R3, R4, R5, R6 = H, halo, OH, etc.; R7 = H, (un)substituted alkyl, e.g., OR13, NR14R15, etc.; R8 = NR18R19, OR20; R13 = H, alkyl, alkenyl, etc.; R14, R15 = H, (un)substituted alkyl; R18, R19 = H, alkyl, alkenyl, etc.; R20 = alkyl, alkenyl, alkynyl, etc.] and their pharmaceutically acceptable salts were prepared For example, condensation of benzamine II (Z= H), e.g., prepared from 2-chloro-4-fluorobenzamide in 2-steps, and carbonochloridic acid Me ester afforded benzamide II (Z = COMe) in 55% yield. In glycogenphosphorylase-A (GPa) inhibition assays, 23-examples of compds. I, at 10 μM, exhibited 48-100% inhibition of GPa activity, e.g., benzamide II (Z = COMe) displayed 53% enzyme inhibition. Compds. I were claimed useful as antidiabetic agents.

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> dis l11 1-3 bib abs hitstr

L11 ANSWER 1 OF 3 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 2001:851122 HCAPLUS
DN 135:371759
TI Preparation of N-imidazolylphenyl-5,6-dihydrobenzo[h]quinazolin-4-amines and other N-containing heterocyclic amines as 5-hydroxytryptamine antagonists for treatment of CNS disorders
IN Yamada, Akira; Spears, Glen; Hayashida, Hisashi; Tomishima, Masaki; Ito, Kiyotaka; Imanishi, Masashi
PA Fujisawa Pharmaceutical Co., Ltd., Japan
SO PCT Int. Appl., 154 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001087845	A2	20011122	WO 2001-JP4002	20010514 <--
	WO 2001087845	A3	20020829		

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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

	AU 2001056728	A5	20011126	AU 2001-56728	20010514 <--
	US 2003176454	A1	20030918	US 2002-258582	20021101
PRAI	AU 2000-7501	A	20000515		
	AU 2000-1955	A	20001207		
	WO 2001-JP4002	W	20010514		

OS MARPAT 135:371759

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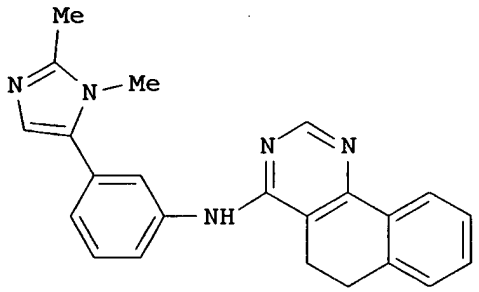


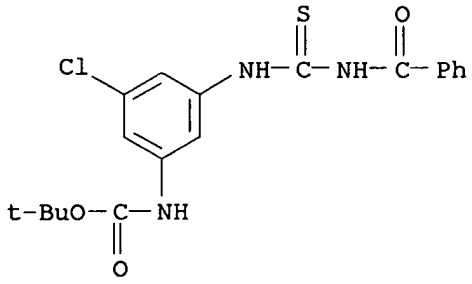
II

AB Title compds. AMQNHZ [I; wherein A = H, (un)substituted, unsatd., N-containing heterocyclic group, or C(NH)NHR; R = (un)substituted aryl or heterocyclic group; M = (CH2)n, (CH2)nO(CH2)m, or (CH2)nNH(CH2)m; n and m = independently 0-2; Q = (un)substituted cycloalkylene group, arylene, or divalent heterocyclic group; Z = (un)substituted, unsatd., mono-, di-, tri-, or tetra-cyclic, N-containing heterocyclic group which may contain addnl. N, O, and S atoms as the ring member(s), e.g. indeno[1,2,3-de]phthalazinyl or 5,6-dihydrobenzo[h]quinazolinyl; and the prodrugs or pharmaceutically acceptable salts thereof] were prepared For example, a mixture of 4-chloro-5,6-dihydrobenzo[h]quinazoline, 3-(1,2-dimethyl-1H-imidazol-5-yl)aniline, and 1,3-dimethyl-2-imidazolidinone was heated for an hour at 200°C, cooled, treated with 1N aqueous NaOH and water, and worked up to give II. I are 5-hydroxytryptamine (5-HT) antagonists useful for the prevention and/or treatment of central nervous system (CNS) disorders, such as anxiety, depression, obsessive compulsive disorders, migraine, anorexia, Alzheimer's disease, sleep disorders, bulimia, panic attacks, withdrawal from drug abuse, schizophrenia, and disorders associated with spinal trauma and/or head injury (no data).

IT **374554-72-0P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(intermediate; preparation of N-(imidazolylphenyl)dihydrobenzo[h]quinazolinamines and other N-containing heterocyclic amines as 5-hydroxytryptamine antagonists for treatment of CNS disorders)

RN 374554-72-0 HCAPLUS

CN Carbamic acid, [3-[[(benzoylamino)thioxomethyl]amino]-5-chlorophenyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



L11 ANSWER 2 OF 3 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 1989:233250 HCAPLUS
DN 110:233250
TI Self-curing cationic coatings based on urea-modified epoxy resins
IN Paar, Willibald
PA Vianova Kunstharz A.-G., Austria
SO Eur. Pat. Appl., 5 pp.
CODEN: EPXXDW
DT Patent
LA German
FAN.CNT 1

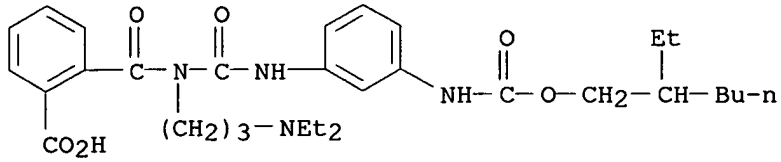
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 292731	A2	19881130	EP 1988-106878	19880429 <--
	EP 292731	A3	19890830		
	EP 292731	B1	19911127		
	R: BE, CH, DE, ES, FR, GB, IT, LI, NL, SE				
	AT 8701248	A	19890115	AT 1987-1248	19870518 <--
	AT 388739	B	19890825		
	JP 01026680	A2	19890127	JP 1988-119465	19880518 <--
	US 4851486	A	19890725	US 1988-195290	19880518 <--
	US 5008351	A	19910416	US 1989-351477	19890515 <--
PRAI	AT 1987-1248	A	19870518		
	US 1988-195290	A3	19880518		

AB Binders for the title coatings are prepared by esterifying epoxy resins with blocked derivs. of the acids HO2CZ1CON(R)CONHZ2NCO (R = hydrocarbyl, optionally bearing a tertiary amino group; Z1, Z2 = hydrocarbylene) and reaction of remaining epoxy groups with amines, and have amine number ≥30 mg KOH/g. Heating 130 g Et2N(CH2)3NH2 with 304 g 1:1 2-ethylhexanol-TDI adduct in PhMe at 60-70° and then with 148 g phthalic anhydride at 100° gave a biuret acid. Heating this solution with 60 g (aminoethyl)propanediol, 950 g bisphenol A epoxy resin (epoxy equivalent 475), and 400 g ethoxypropanol at 85-90° gave a product (amine number 58) which was mixed with 45 mmol HCO2H/100 g resin and 1 phr Sn (as Bu2Sn dilaurate), diluted with H2O to 15% solids, deposited cathodically on phosphated steel, and baked 20 min at 160° to give a 22-μm coating with MEK resistance ≥300 double rubs.

IT **120750-93-8D**, reaction products with aminated epoxy resins
RL: USES (Uses)
(binders, for self-curing electrophoretic coatings)

RN 120750-93-8 HCAPLUS
CN Benzoic acid, 2-[[[3-(diethylamino)propyl][[[3-[[[(2-ethylhexyl)oxy]carbonyl]amino]methylphenyl]amino]carbonyl]amino]carbonyl]-

(9CI) (CA INDEX NAME)



D1—Me

L11 ANSWER 3 OF 3 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 1986:186155 HCAPLUS
DN 104:186155
TI Insecticidal and acaricidal benzoylurea compounds
IN Brouwer, Marius S.; Grosscurt, Arnoldus C.; Van, Hes Roelof
PA Duphar International Research B. V., Neth.
SO Eur. Pat. Appl., 26 pp.
CODEN: EPXXDW
DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 167197	A1	19860108	EP 1985-200956	19850618 <--
	EP 167197	B1	19890118		
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	CA 1208561	A1	19860729	CA 1984-445633	19840119 <--
	AT 40111	E	19890215	AT 1985-200956	19850618 <--
	AU 8544493	A1	19860109	AU 1985-44493	19850702 <--
	AU 571710	B2	19880421		
	ES 544801	A1	19860201	ES 1985-544801	19850702 <--
	JP 61018753	A2	19860127	JP 1985-145914	19850704 <--
	JP 06017357	B4	19940309		
	US 4783485	A	19881108	US 1986-912169	19860926 <--
PRAI	NL 1984-2137	A	19840705		
	NL 1983-239	A	19830124		
	US 1984-572142	A2	19840119		
	EP 1985-200956	A	19850618		
	US 1985-753042	A1	19850702		

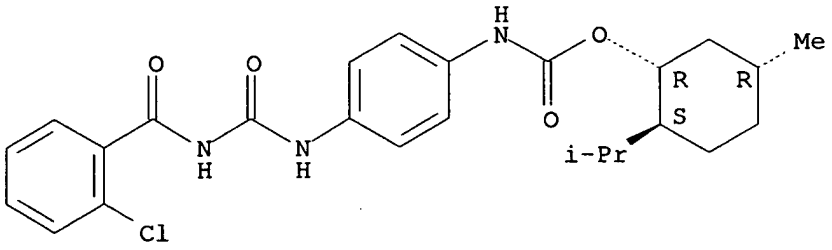
AB R1nC6H5-nCONHCONHZZ1R [I; R = cyclohexyl, bi- or polycyclic hydrocarbon residue; R1 = H, halo; n = 1, 2; Z = p-C6H4, pyridinediyl, etc.; Z1 = O, C(O)O, NHC(O)O, OCHR2 (R2 = H, C1-4 alkyl)], effective insecticides and miticides at 1-5000 g/ha, were prepared Thus, 0.92 g 2,6-F2C6H3CONCO was added to a solution of 1.37 g 4-(dl-menthyloxycarbonyl)aniline in Et2O with stirring at room temperature to give 2.0 g I [R = dl-menthyl, R1n = 2,6-F2, Z = p-C6H4, Z1 = C(O)O]. Effective concns. of I varied from 0.3 to 30 mg/L.

IT **101669-21-0P 101669-22-1P**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of, as insecticide and acaricide)

RN 101669-21-0 HCAPLUS
CN Carbamic acid, [4-[[[(2-chlorobenzoyl)amino]carbonyl]amino]phenyl]-,

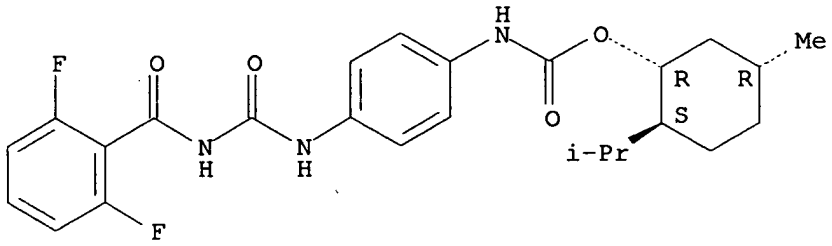
5-methyl-2-(1-methylethyl)cyclohexyl ester, (1α,2β,5α)-
(9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 101669-22-1 HCAPLUS
CN Carbamic acid, [4-[[[(2,6-difluorobenzoyl)amino]carbonyl]amino]phenyl]-,
5-methyl-2-(1-methylethyl)cyclohexyl ester, (1α,2β,5α)-
(9CI) (CA INDEX NAME)

Relative stereochemistry.



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FULL ESTIMATED COST	143.70	467.43

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-20.44	-20.44

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